

Name of Faculty Dr. SURESH PABBOJU  
 Designation Professor  
 Nature of Job/Appointment Regular  
 Date of Joining 20-10-1986  
 E-mail [psuresh\\_it@cbit.ac.in](mailto:psuresh_it@cbit.ac.in)



Education Qualifications	Name of the Degree	Class
Ph. D.	Doctor of Philosophy (C.S.E.)	Awarded
PG	M. Tech. (C.Sc.)	Distinction
UG	B. E. (M.E.)	Distinction

**Work Experience**

Teaching	35 Years 9 Months
Research	20 years
Industry	--
Others	--

**Area of Specialization**

Image Processing, Data Mining, Soft Computing, Artificial Intelligence, Deep Learning, and Data Science

**Professional Memberships**

- a) Member IEEE, No.:90523657
- b) IEEE Computational Intelligence Society(CIS)
- c) Life Member ISME
- d) Life Member ISTE, No.: LM17014

**Responsibilities held at Institution Level**

1. Director, AEC& CoE from 07-04-2021 to till date.
2. Director, IQAC from 27-05-2020 to 07-04-2021.
3. Coordinator, Institution's Alumni Coordination Committee (IACC) 06-12-2019 to till date.
4. Member, Governing Body of CBIT from 03-12-2018 to till date.
5. Member, Academic Council of CBIT from 07-10-2017 to 01-06-2020 and from 2013 to 2015.
6. Head of IT Department, CBIT from 07-10-2017 to 01-06-2020.
7. Faculty Advisor, Alumni Activities, from 06-12-2017 to 05-12-2019.
8. Coordinator, IQAC from 23-03-2017 to January, 2020.
9. Coordinator, NAAC SSR Report Preparation Committee from 2015 to July 2017
10. Head of IT Department, CBIT from 07-05-2011 to 30-07-2015
11. in charge Head of IT Department, CBIT from 06-05-2008 to 02-11-2008
12. in charge Head of IT Department, CBIT from 06-05-2007 to 29-11-2007

**Responsibilities held at Department Level**

1. Chairman, Board of Studies, IT
2. Member, Board of Studies, IT
3. in charge, Time Tables
4. Member, Course Expert Group
5. Chairman, Program Advisory Committee
6. Chairman, Department Advisory Committee
7. Student Mentoring
8. Project Coordinator
9. NBA Coordinator
10. In charge, Lab Manuals
11. Convener and Coordinator of various Technical Events

Research Guidance	PhD Degree Awarded : 12 PhD Thesis Submitted : 01 PhD pursuing : 06
Awards Received	--
Courses Handled at Under Graduate / Post Graduate Level.	Programming in C, Programming in C++, Java Programming, Data Structures, Operating Systems, Artificial Intelligence, Distributed Systems, Data Warehousing & Data Mining, Advanced Operating Systems, Information Retrieval systems, Computer Graphics, Digital Image Processing, Discrete Structures, Biometric Security, Digital Image Processing& Analysis, etc.
No. of Papers Published	National Journals – International Journals – 58 National Conference – 02 International Conference – 29
Projects Carried out	NIL
Patents	02 filed
Technology Transfer	NIL
Invited Speaker	<ol style="list-style-type: none"> <li>1. Delivered a talk on "Knowledge Representation" from 10.00 to 1.15 pm on 05-12-2019 (Thursday) in the AICTE sponsored Five Day Faculty Development Programme on "Artificial Intelligence" organized by the Human Resource Development Centre, JNTUH from 02-12-2019 to 06-12-2019.</li> <li>2. Resource Person for the One-Week Faculty Development Programme "Image Processing &amp; Its Applications" Scheduled from 15-19 December, 2014 and delivered lecture sessions on "CBIR and searching Techniques for CBIR" on 19<sup>th</sup> December 2014 organized by Mahatama Gandhi Institute of Technology, Gandipet, Hyderabad.</li> <li>3. Resource Person for the One-Week Faculty Development Programme "Image Processing &amp; Its Applications" Scheduled from 15-19 December, 2014 and delivered lecture sessions on "Application of Image Processing" on 15<sup>th</sup> December 2014 organized by Mahatama Gandhi Institute of Technology, Gandipet, Hyderabad.</li> <li>4. Delivered a Keynote talk on " Content based Image Indexing &amp; Retrieval systems " in ESPERANZA, a National Technical Symposium, 21st March, 2011, Organized by Vivekananda Institute of Technology &amp; Science, Karimnagar, AP</li> <li>5. Delivered a Keynote talk on "Content based Image Retrieval systems" in sparx2k11, a National Technical Symposium , 17<sup>th</sup> January, 2011, Organized by Sarada Institute of Technology &amp; Science(S.I.T.S), Khammam, AP</li> <li>6. Delivered a Keynote talk on "Applications of Digital Image Processing" in QUBIT- a National Technical Symposium, 8th April, 2009, Organized by MGIT, Gandipet, Hyderabad, AP</li> </ol>
No. of Books/Chapters Published with details	<p><b><u>Book Publications</u></b></p> <ol style="list-style-type: none"> <li>1. Dr. Suresh Pabboju published a book titled "Web Technology with Practical examples" in Research India Publications, New Delhi, 2017 ISBN:978-93-86138-68-2</li> <li>2. Dr.Suresh Pabboju published a book titled "Software Engineering: Risk Analysis in Requirement Engineering" in LAMBERT Academic Publishing, Germany, 2017, ISBN:978-3-330-32264-6</li> </ol> <p><b><u>Book Chapter Publications</u></b></p> <ol style="list-style-type: none"> <li>1. Katta Sugamya, Pabboju Suresh, A VinayaBabu, Akhila,</li> </ol>

- Rakshitha, "CBIR using SIFT with LoG, DoG and PCA" Springer Book chapter, Advances in Intelligent Systems and Computing, ISBN 978-981-15-1096-0, ISBN 978-981-15-1097-7 (eBook), <https://doi.org/10.1007/978-981-15-1097-7>, pp. 623-637, 2020 © Springer Nature Singapore Pvt. Ltd.
2. M. Trupthi, Suresh Pabboju and G. Narasimha, "Predicting the customer's opinion on amazon products using selective memory architecture-based convolutional neural network", published The Journal of Supercomputing, in <https://doi.org/10.1007/S11227-019-03081-4>, Springer, November 2019.
  3. Nandini Balusu, Suresh Pabboju and G. Narasimha, "An Intelligent Channel Assignment Approach for Minimum Interference in Wireless Mesh Networks Using Learning Automata and Genetic Algorithms" International Journal on Wireless Personal Communications, Published by Springer US, ISSN: 0929-6212 (print version), ISSN: 1572-834X (electronic version), Journal no. 11277, pp. 1-15, <https://doi.org/10.1007/s11277-019-06214-3>, First Online 13 April 2019.
  4. Katta Sugamya, Pabboju Suresh, A. Vinaya Babu, Akhila, Rakshitha presented a paper entitled "CBIR using SIFT with LoG, DoG and PCA", in 3rd International Conference on Data Engineering and Communication Technology (ICDECT-2019) at SCETW, during 15th & 16th March 2019.
  5. Trupthi M., Pabboju S., Gugulotu N. (2019), "Deep Sentiments Extraction for Consumer Products Using NLP-Based Technique", Advances in Intelligent Systems and Computing, vol 898, pp.191-201, Springer, Singapore, First Online 14 February 2019, Publisher Name Springer, Singapore, Print ISBN 978-981-13-3392-7, Online ISBN 978-981-13-3393-4, DOI [https://doi.org/10.1007/978-981-13-3393-4\\_20](https://doi.org/10.1007/978-981-13-3393-4_20)
  6. Spandana K., Pabboju S. (2020) Applications of IoT for Soil Quality. In: Gunjan V., Garcia Diaz V., Cardona M., Solanki V., Sunitha K. (eds) ICICCT 2019 – System Reliability, Quality Control, Safety, Maintenance and Management. ICICCT 2019. Springer, Singapore
  7. Swathy Vodithala and Suresh Pabboju, "A Description of Software Reusable Component based on the behavior" Springer International publishing AG 2018, Information and Communication Technology for Intelligent Systems (ICTIS 2017) – Volume 2, Smart Innovation. (Springer)
  8. Bhukya, S.N., Pabboju, S. "Software engineering: risk features in requirement engineering". Cluster Comput 22, 14789–14801 (2019). <https://doi.org/10.1007/s10586-018-2417-3>
  9. Suresh Pabboju, Gangadhara Rao Kommu, "A Probabilistic Based Multi-label Classification Method Using Partial Information", Springer – Volume 2, Advances in Intelligent Systems and Computing Volume 338, ISBN 978-3-319, pp 27-34. 2015
  10. Ms. K. Sugamya and Dr. Suresh Pabboju, "Comparative Analysis for CBIR using Fast Discrete Curvelet Transform", International Conference on Innovations in Computer Science and Engineering, published in Springer LNNS, Volume 8. pp 15-27, DOI: 10.1007/978-981-10-3818.1\_3, 20th June 2017.
  11. B. Prasanthi, P. Suresh and D. Vasumathi, "Index-Based Image Retrieval – Analyzed Methodologies in CBIR"



**WS/ Seminars/ Conferences/ STTPS/ FDPs Organized**

- 1) Organized one week FDP on "Data Science" in association with E & ICT Academy, NIT, Warangal, Sponsored by Ministry of Electronics and Information Technology (MeitY), GoI, at CBIT Campus from August 5-10, 2019.
- 2) Organized One day workshop on "Performance Measures in Academic and Research Aspects" at CBIT, Hyderabad on 20.06. 2017.
- 3) Organized one day workshop on "Quality Measures in Technical Education" at CBIT, Hyderabad on 13.06.2017.
- 4) As Chairman of Sudhee-2016, an annual Technical Festival coordinated all the activities, for it making it a Grand Success, 21-22 October, 2016.
- 5) As Chairman of Shruthi-2015, an annual Cultural and Sports festival coordinated all the activities, for it making it a Grand Success, 12-14 March, 2015.
- 6) As Chairman of Shruthi-2014, an annual Cultural and Sports festival coordinated all the activities for it making it a Grand Success, 20-22 March, 2014.
- 7) Organized "One Week Hands-on Technical Training Programme", for supporting staff, under TEQIP-II, at CBIT, Hyderabad, from 7<sup>th</sup> July to 12<sup>th</sup> July 2014.
- 8) Organized "TECSTASY'-2k13", a two Day National Level Student Technical Symposium, on 4<sup>th</sup> & 5<sup>th</sup> October 2013.
- 9) Organized a Two-Day National Conference on Recent Trends in Information Technology'13 (NCRTIT-13) on 22nd and 23rd March, 2013.
- 10) Organized a Two-Day National Workshop on "Research Opportunities in Computer Science and Information Technology-13" (NWROCSIT-13) under TEQIP-II at CBIT, on 6<sup>th</sup> and 7<sup>th</sup> Feb, 2013.
- 11) Organized TECSTASY'-2k12, a two Day National Level Student Technical Symposium, at CBIT, 17<sup>th</sup> and 18<sup>th</sup> October, 2012.
- 12) Organized Poster Presentation on Curiosity on Mars, at CBIT, on 14th September, 2012.
- 13) Organized a Two-day National Workshop on Research Opportunities in Computer Science and Information Technology-12 (NWROCSIT-12), at CBIT, on January 27-28, 2012.
- 14) Organized Jump Start-II, a Three-Week technical training program for Non-CSE/IT Wipro Campus recruits from Osmania University college of Engineering, Vasavi college of Engineering and CBIT, from 20<sup>th</sup> June to 10<sup>th</sup> July, 2011.
- 15) Coordinated Jump Start-I, a Two-Week non-technical training program for all the Wipro Campus recruits from CBIT, at CBIT, from 6<sup>th</sup> June to 18<sup>th</sup> June, 2011.
- 16) Organized Infosys Campus Connect Foundation Program, a technical training program for Infosys Campus recruits from CBIT in the second semester of the academic year, 2010-11.
- 17) Organized TECSTASY-2k11, a Two-Day National Level Technical Symposium, at CBIT, on Nov 03-04, 2011.
- 18) Organized TECSTASY-2k10, a Two-Day National Level Technical Symposium, at CBIT, on 20-21 April, 2010.
- 19) Organized TECSTASY'07, a Two-Day National Level Technical Symposium, at CBIT on March 15-16, 2007.
- 20) Organized TECSTASY '06, a Two-Day National Level Technical Symposium, at CBIT on March 9-10, 2006.
- 21) Organized TECSTASY '05, a Three Day National Level Technical Symposium, at CBIT on Feb 21-23, 2005.

Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops/Other Trainings (**Attended and/or Organized**).

- 22) Organized "NAVACHAITANYA", a Three Day National Level Technical Symposium under ISTE students' local chapter as Chairman ISTE, CBIT Local Chapter, at CBIT on March, 11-13, 2004.

**WS/ Seminars/ Conferences/ STTPS/ FDPs Attended**

- 1) Participated in Online Workshop on "Social Responsibility and Community Engagement" conducted by Chaitanya Bharathi Institute of Technology and Scored 100% in the Quiz conducted on 17<sup>th</sup> June, 2020.
- 2) Participated and successfully completed a three day Online FDP on "Outcome based Education" organized by IQAC of Indira College of Engineering and Management, Pune from 11-06-2020 to 13-06-2020 and secured a grade of A+ in the online assessment.
- 3) Participated and successfully completed a One Week Online FDP on "Outcome based Education and NBA Accreditation Process (UG)" organized by CBIT, Hyderabad, during 28-05-2020 to 01-06-2020.
- 4) Participated & completed successfully AICTE Training and Learning (ATAL) Academy Online FDP on "Artificial Intelligence" at National Institute of Technology, Warangal from 22-05-2020 to 26-05-2020.
- 5) Attended one week online Faculty Development Program on "Outcome based Education: A Step Towards Excellence" under Margdarshan Scheme of AICTE, New Delhi, from 11-15 May 2020.
- 6) Successfully completed a 12 Weeks NPTEL Course on "NBA Accreditation and Teaching - Learning in Engineering (NATE)" on the SWAYAM platform (swayam.gov.in), during the Jan-Apr 2020.
- 7) Participated in a workshop on "Awareness Workshop on Outcome Based Education and Accreditation", organized by University College of Engineering (A), Osmania University, Hyderabad in association with National Board of Accreditation (NBA), New Delhi, India, held on 18<sup>th</sup> December 2016.
- 8) Participated in an "International Conclave on Higher Education (ICHE-2016)" on the theme "Transforming Higher Education: Quality, Governance and Innovation" at Mahatma Mandir, Gandhinagar, Gujarat organized by Education Department, Government of Gujarat, India on October 18, 2016.
- 9) Participated a one day Seminar on "Cyber Space Defense Summit-2016" held at DRDO, Kanchanbagh, Hyderabad organized by CSI Hyderabad Chapter on 29<sup>th</sup> March, 2016.
- 10) Participated in one week SPFU (TS) initiated TEQIP II sponsored Training on "Cloud Computing and Data Analytics" conducted at University college of Engineering, Osmania University, Hyderabad from 08-12-February 2016.
- 11) Participated in a 3-day National Conference on "Big Data Analytics and Cloud Computing", organized the department of Computer Science and Engineering, University College of Engineering (A), Osmania University in collaboration with CSI SIG-BDA, held during 29<sup>th</sup> - 31<sup>st</sup> December 2015.
- 12) Participated and presented a paper titled "A Comprehensive framework for Automatic Image Annotation", in International Conference on Research Advancements in Engineering, Science, and Information Technology (ICRAESIT-2015) Organized by BVRIT, Hyderabad in association with IETE and CSI, held during 15<sup>th</sup> and 16<sup>th</sup> of December, 2015.
- 13) Participated in 4th International Conference on "Big Data Analytics (BDA) 2015", organized by NIT Warangal at Golconda Hotel, Hyderabad, India, held during 16-18,

December 2015.

- 14) Attended one week (7 day) Management Capacity Enhancement Programme 2014(MCEP) (Batch 9), organized by Indian Institute of Management Indore(IIM Indore), MP from June 16 to 22, 2014.
- 15) Attended "IBM Rational SEED for Quality Program", organized by IBM, CBIT, Hyderabad, AP, on 9-12 Feb, 2013.
- 16) One day "IEEE Workshop for Conference Organizers", organized by IEEE Hyderabad Section HCU, Hyderabad, AP, on 23<sup>rd</sup> June 2013.
- 17) Attended a Workshop on Software Quality & Testing organized by SpSoft& IBM at CSE Department the Osmania University, Hyderabad on 15<sup>th</sup> September 2012.
- 18) Attended a Seminar on MATLAB & Simulink for Engineering Education conducted by Math works India Pvt. Ltd. on 31st August 2012.
- 19) Seminar on "MATLAB & Simulink for Engineering Education", organized by MATLAB, Hyderabad, AP, on 31st August 2012.
- 20) 22nd IEEE-CS Conference on "Software Engineering Education and Training", organized by IEEE-Computer Society, at Satyam School of Leadership, Hyderabad, AP, on 17<sup>th</sup> - 20<sup>th</sup> February, 2009.
- 21) Participated in "Samarthyam", a Three day Faculty Development Programme on "Software Industrialization", organized by TCS, Hyderabad, AP on 03-05 January 2008.
- 22) Attended one week "Mission 10x Program", organized by Wipro technologies, Hyderabad on 18-22 December 2007.
- 23) One day Faculty Development Programme organized by Cognizant Technology Solutions Ltd , Hyderabad, AP, on 19th Oct, 2007.
- 24) Attended Work-Shop on "Making Academic Projects Industry Oriented", organized by CMC Ltd, Hyderabad, AP on 11<sup>th</sup> November, 2006.
- 25) National Seminar on "Intelligent Systems", organized by Department of Software Engineering, Malankara Catholic College, KanyakumriDist., Tamil Nadu State, on 13th January, 2006.
- 26) Attended Three day "Faculty Development Programme", organized by Tata Consultancy Services Ltd (TCS), Hyderabad, AP, on 22-24 Dec, 2005.
- 27) Attended National Conference on "Emerging Areas of Computer Science and Engineering", organized by CTS, Hyderabad, AP on 21 -22 November, 2005.
- 28) Participated in a Three week UGC sponsored refresher course on "Digital Image Processing", organized by JNTUCE, Hyderabad, AP, from 02-11-2005 to 22-11-2005.
- 29) Attended Three day Faculty Development Programme, "Adhyan", organized by Satyam Computers, Hyderabad, AP on 22-24 September, 2005.
- 30) Attended a Two day National Conference on Networks and Distributed Systems "NETWORKS-2005", organized by Department of CSE, OU & CSI Hyderabad Chapter, Hyderabad, AP, on 25-26 Feb, 2005.
- 31) Participated in a Two week STTP sponsored by AICTE – ISTE on "Recent Trends in Data Warehousing & Data Mining", organized by NIT, Warangal, AP, from 22<sup>nd</sup> March - 2<sup>nd</sup> April 2004.
- 32) Attended "International Conference on Systemics, Cybernetics and Informatics (ICSCI-04)", organized by Pentagram Research Centre Pvt. Ltd, Hyderabad, AP, on 12<sup>th</sup>-15<sup>th</sup>Feb, 2004.
- 33) Attended "1st Indian International Conference on Artificial





Details of Journal Publications/ Conferences (**National and International**)

**International Journal Publications from the last 10 years**

- [1] Alamanda, Sirisha; Pabboju, Suresh; Gugulothu, Narasimha. "Authorship Attribution Using Sequential Part-of-Speech Pattern Mining" *Revue d'Intelligence Artificielle*; Edmonton Vol. 37, Iss. 1, (Feb 2023):139-146.DOI: <https://doi.org/10.18280/ria.370117>(**Scopus**)
- [2] K Spandana, Suresh Pabboju, "IoT Enabled Smart Agriculture using Digital Dashboard" *Indian Journal of Science and Technology* 16(1): 1-11. <https://doi.org/10.17485/IJST/v16i1.1680>
- [3] A. Ratna Raju, Suresh Pabboju, and R. Rajeswara Rao "TAYLOR-IIWO: TAYLOR IMPROVED INVASIVE WEED OPTIMIZATION-ENABLED DEEP QUANTUM NEURAL NETWORK FOR BRAIN TUMOR SEGMENTATION AND CLASSIFICATION", *Biomedical Engineering: Applications, Basis and Communications* Vol. 35, No. 01, 2250044 (2023).(**Scopus**)
- [4] Raju, Ayalapogu Ratna; Pabboju, Suresh; Ramisetty, Rajeswara Rao. "Pathological Analysis of Brain Tumor in MRI Images Using CAR-UNET Model Architecture", *Cardiometry*; Moscow Iss. 24, (Nov 2022): 1086-1097. DOI:10.18137/cardiometry.2022.24.10861097
- [5] Raju, A Ratna; Pabboju, Suresh; Rao, R Rajeswara "MRI brain image classification using Linear Vector Quantization Classifier" *Cardiometry*; Moscow Iss. 22, (May 2022): 516-519. DOI: <https://doi.org/10.18137/cardiometry.2022.22.516519>
- [6] Ayalapogu Ratna Raju, Suresh Pabboju, and Rajeswara Rao Ramisetty "Performance Analysis and Critical Review on Segmentation Techniques for Brain Tumor Classification", *International Journal of Image and Graphics*Vol. 23, No. 02, 2350023 (2023) DOI: <https://doi.org/10.1142/S0219467823500237> (**Scopus**)
- [7] Pabboju, Suresh. "BOTRANSACK to detect botnets using Machine learning." *Design Engineering* (2021): 10279-10292.
- [8] Bhagya Rekha Sangiseti, Suresh Pabboju, "Analysis On Human Activity Recognition Using Machine Learning Algorithm And Personal Activity Correlation" *PSYCHOLOGY AND EDUCATION* (2021) 58(2): 5754-5760, ISSN: 00333077
- [9] Sirisha Alamanda, Suresh Pabboju, G. Narasimha, "An Automated Framework for Enterprise Financial Data Pre-processing and Secure Storage", (*IJACSA*) *International Journal of Advanced Computer Science and Applications*, Vol. 12, No. 7, 2021.
- [10] **Ayalapogu, Ratna Raju, Suresh Pabboju, and Rajeswara Rao Ramisetty.** "Analysis of dual tree M-band wavelet transform based features for brain image classification." *Magnetic resonance in medicine* 80.6 (2018): 2393-2401. (**SCOPUS & SCIE**)
- [11] **Raju, A. Ratna, P. Suresh, and R. Rajeswara Rao.** "Bayesian HCS-based multi-SVNN: A classification approach for brain tumor segmentation and classification using Bayesian fuzzy clustering." *Biocybernetics and Biomedical Engineering* 38.3 (2018): 646-660. (**Elsevier SCOPUS & SCIE**)
- [12] **Raju, Ayalapogu Ratna, Suresh Pabboju, and Ramisetty Rajeswara Rao.** "Hybrid active contour model and deep belief network based approach for brain tumor segmentation and classification." *Sensor Review* (2019). (**SCOPUS & SCIE**)
- [13] **Ratna Raju A., Pabboju S., Rajeswara Rao R.** (2020) Brain Image Classification Using Dual-Tree M-Band Wavelet Transform and Naïve Bayes Classifier. In: Solanki V., Hoang M., Lu Z., Pattnaik P. (eds) *Intelligent Computing in Engineering. Advances in Intelligent Systems and Computing*, vol 1125. Springer, Singapore. [https://doi.org/10.1007/978-981-15-2780-7\\_69](https://doi.org/10.1007/978-981-15-2780-7_69). (**SCOPUS**)
- [14] Ratna Raju A., Pabboju S., Rajeswara Rao R. Pathological Analysis Of Brain Tumor In Mri Images Using CAR-UNET Model Architecture, *Traitement du Signal*, Lavoisier, June 2022(Accepted). (**SCOPUS & SCIE**)K. Spandana, Suresh Pabboju, LikhithaChinthakuntla, GorupallySaiChandana, "Current Research on Internet of Things (IoT) in Agriculture", published in *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, ISSN: 2278-3075(Online), Volume-9, Issue-8, June 2020, pp. 882-886.
- [15] Mandhula T, Pabboju S, Gugulotu N. "Predicting the customer's opinion on amazon products using selective memory architecture-based convolutional neural network". *Journal of Supercomputing*. 2020

- [16] NandiniBalusu, Suresh Pabboju and Narsimha G, "Swarm Optimization based Gravitational Search Approach for Channel Assignment in MCMR Wireless Mesh Network" published in International Journal of Computer Networks & Communications (IJCNC), Vol.12, No.3, May 2020, DOI: 10.5121/ijcnc.2020.12303, pp. 41-54
- [17] K. Spandana, T. Manoj Kumar, Suresh Pabboju, "Soil Analysis And Crop Selection Using IoT", published in International Journal Of Scientific and Technology Research, Volume 9, Issue 04, April 2020, ISSN 2277-8616, pp.2212-2215, IJSTR©2020, www.ijstr.org
- [18] B. Manjulatha and Suresh Pabboju, "Big Data Analytics and its applications" published in International Journal of Recent Technology and Engineering (IJRTE) , ISSN: 2277-3878, Volume-8, Issue-4, November 2019 (IJRTE),Vol.08,Issue.04, November 2019, ISSN:2277-3878, pp. 10928-10931
- [19] Katta Sugama, Pabboju Suresh, A VinayaBabu published a paper on "CBIR using SIFT& FDCT with Relevance Feedback Mechanism" International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume-8 Issue-11, September 2019, pp.103-1108.
- [20] Shankar NayakBhukya and Dr.Suresh Pabboju, "Software Engineering Innovative Risk Analysis in Matrix Tool ", International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: Volume-8 Issue-8, June 2019, pp.2278-3075.
- [21] Katha Kishor& Suresh Pabboju, "An efficient adaptive genetic algorithm technique to improve the neural network performance with aid of adaptive GA operators", International Journal of Networking and Virtual Organizations, ISSN online 1741-5225, ISSN print 1470-9503, 2019, Vol.20, No.2, pp. 127-142 (Free Journal).
- [22] Katha Kishor& Suresh Pabboju, "AGCS Technique to Improve the Performance of Neural Networks", Journal of Intelligent Systems, 2019, 1-11, <https://doi.org/10.1515/jisys-2017-0423>.
- [23] A. RatnaRaju, P. Suresh, R. RajeswaraRao, "Bayesian HCS-based multi-SVNN: A classification approach for brain tumor segmentation and classification using Bayesian fuzzy clustering", Bio Cybernetics and Bio Medical Engineering 38 (2018) 646–660, May 2018.
- [24] P. SrinivasaRao, Suresh Pabboju, "Noise Dismissal from Images Using Nonlinear Algorithms", International Journal of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSEIT), Volume 3, Issue 3, ISSN : 2456-3307, March, 2018
- [25] P. SrinivasaRao, Suresh Pabboju, "Using Various Processing Methods to Identify Lung Cancer" International Journal on Future Revolution in Computer Science & Communication Engineering (IJFRCSCE), ISSN: 2454-4248 Volume: 4 Issue: 3, March, 2018
- [26] Sridhar Gujjeti, Dr. Suresh Pabboju, "A Novel Parallel Implementation of the CARE Algorithm to Demonstrate the Performance Benefits on Big Patient Data", International Journal of Research and Analytical Reviews (IJRAR), <http://ijrar.com>, VOLUME 5, ISSUE 2, April – June 2018, EISSN 2348 – 1269, PRINT ISSN 2349-5138 (Cosmos Impact Factor 4.236).
- [27] Sridhar Gujjeti, Dr. Suresh Pabboju, "A Review on Big Data Application in Health Care", International Journal of Scientific Research in Science and Technology (IJSRST), Volume 4, Issue 2, Print ISSN: 2395-6011, Online ISSN: 2395-602X, Jan - Feb 2018, pp.1231-1268.
- [28] K. Aditya Kumar and Prof Suresh Pabboju, "An Optimized Text Steganography approach using differently spelt English Words", International Journal of Pure and Applied Mathematics, Volume 118 No. 16, 653-666, ISSN: 1311-8080, January 2018
- [29] Shankar NayakBhukya, Dr. Suresh Pabboju, "An Efficient Risk Analysis in Requirement Engineering Using Modified Goal Model" Journal of Advanced Research in Dynamical and Control Systems (JARDCS), Vol. 9. Sp-17 / 2017.
- [30] Swathy Vodithala and Suresh Pabboju, "A Keyword Ontology for Retrieval of Software Components", International Journal of Control Theory and Applications (IJCTA) ISSN: 0974-5572, International Science Press, Volume 10, Number 19, 2017
- [31] P. SrinivasaRao and Suresh Pabboju, "Analysis of Healthy Diet Recommendation using various Algorithms in Web Data Mining", International Journal of Research (IJR) e-ISSN: 2348-6848, p-ISSN: 2348-795X, Volume 04, Issue 13, October 2017.
- [32] B. Prasanthi, Suresh Pabboju & D. Vasumathi, "A Novel Indexing and Image Annotation Structure for Efficient Image Retrieval", Arabian Journal for Science and Engineering, 23-September-2017



- [33] Swarthy Vodithala and Suresh Pabboju, "A Keyword Ontology for Retrieval of Software Components", International Journal of Control Theory and Applications (I J C T A), Volume 10, Number 19, 2017 ©International Science Press, pp. 0974-5572.
- [34] B. Prashanthi, D. Vasumathi and Suresh Pabboju, "query adaptive hash based image retrieval in Intent image search", International Journal of Theoretical and Applied Information Technology, Vol. 93 Issue 2, November 2016, ISSN:1992-8645 E-ISSN 1817-3195 (Impact Factor: SJIF 2013=5.099)
- [35] Shankar NayakBhukya and Dr. Suresh Pabboju have published the paper "Requirement Engineering – Analysis of Risk with Goal Method", in the proceedings of International Journal of Computer Applications (IJCA) (0975 – 8887) Volume 153 – No.1, November - 2016, pp. 37-42.
- [36] B. Ramadasu, Suresh Pabboju, "Spectrum Sensing in Cognitive Radio Networks using the Energy Detection Technique", ACADEMICIA: An International Multidisciplinary Research Journal (A Double Blind Refereed & Reviewed International Journal), Vol. 6 Issue 8, August 2016, ISSN:2249-7137(Impact Factor: SJIF 2013=5.099).
- [37] B. Ramadasu, Suresh Pabboju, "Cooperative Spectrum Sensing in Cognitive Radio Networks using Random Adaptive Access", ACADEMICIA: An International Multidisciplinary Research Journal (A Double Blind Refereed & Reviewed International Journal), Vol. 6 Issue 8, August 2016, ISSN:2249-7137(Impact Factor: SJIF 2013=5.099).
- [38] Swarthy Vodithala and Dr. Suresh Pabboju, "A Problem Solver Mechanism for Mathematical Text Predicates using Ontology", International Journal of Computer Technology and Applications (I J C T A), 9(17) 2016, ©International Science Press, pp. 8659-8663.
- [39] A Sirisha, Suresh Pabboju, G Narsimha, "Comparative Study of Time Interval Weighted Sequential pattern Mining and PrefixspanAlgorithm" International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE), Volume 4, Issue 6, June 2016 , ISSN(Online): 2320-9801 & ISSN (Print): 2320-9798 pp. 12353-12360 (<http://ijircce.com>)
- [40] A Sirisha, Suresh Pabboju and G Narsimha, "Efficient Mining of Sequential Patterns in a Sequence Database with Weight Constraint" International Journal on Recent and Innovation Trends in Computing and Communication, ISSN: 2321-8169, Volume: 4, Issue: 6, June 2016, pp. 394 - 397
- [41] M.Trupthi, Suresh Pabboju, G. Narsimha, "A Survey of Topic Pattern Mining in Text Mining", International Journal of Computer Systems (ISSN: 2394-1065), Volume 03– Issue 05, May, 2016, pp.407-413. ( <http://www.ijcsonline.com>)
- [42] Venkatesh D, Vijay Kumar Damera, and Suresh Pabboju, "InterCloud: The Cloud of Clouds", International Journal of Computer Science and Mobile Applications(IJSMA), Volume 4, Issue 5, May 2016, ISSN 2321 - 8363, pp. 34-40.
- [43] A RatnaRaju, PSuresh, RRajeswaraRao, "Recent Advancements in the Automatic Detection and Segmentation of GBMs from Multimodal Brain MRI Images", SSRG International Journal of Computer Science and Engineering (SSRG-IJCSE) – volume 2 issue 10 October 2015.
- [44] KAditya Kumar and Suresh Pabboju, "A Comparative Result Analysis of Text Based Steganographic Approaches", International Organization of Scientific Research - Journal of Computer Engineering (IOSR-JCE), e-ISSN: 2278-0661, p-ISSN: 2278-8727, Volume 17, Issue 3, Ver. VII (May – Jun 2015), pp. 70-74.
- [45] A RatnaRaju, PSuresh, RRajeswaraRao, "Comparative Analysis of Partial Differential Equation-based and Graph Based Methods for Image Segmentation", International Journal of Computer Trends and Technology (IJCTT), volume 12 Number 5– June 2014
- [46] MTrupthi and DrSuresh Pabboju, "Precognition of Users Web Browsing Behaviour", International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, Vol. 3 Issue 6, June – 2014, pp.1792-1798.
- [47] B Prasanthi, Suresh Pabboju, DVasumathi, "Detection of Vehicles in Aerial Surveillance", International Journal of Advances in Computer, Electrical & Electronics Engg., ISSN: 2248-9584, Volume 3 , Issue 1, pp.37-42
- [48] B Nandini, Prof. Suresh Pabboju, Dr.G.Narasimha, "Routing protocols for Wireless Mesh Networks: A comparative study", International Journal of Multidisciplinary and Current research, March/April 2014, ISSN: 2321-3124, pp. 304-306.
- [49] SwathyVodithala and DrSuresh Pabboju, "Aspects Related to the Specifications of Software Components", International Journal of Computer Science & Engineering Technology (IJCSET),ISSN :

[50] K Aditya Kumar, DrSuresh Pabboju, NeelaMeghaShyam Desai, "Advance Text Steganography Algorithms: An Overview", International Journal of Research and Applications (IJRA), ISSN: 2349-0020, Jan-Mar 2014 Volume 1, Issue 1, 2014, pp. 31-35.

[51] K Aditya Kumar, DrSuresh Pabboju, "A Survey Report on Security Techniques, Futuristic Areas in Computer Engineering and Technology (FACET-13)2013Proceedings published in International Journal of Computer Applications® (IJCA) pp.42-46.

[52] K Sugamya and DrSuresh Pabboju, "A CBIR using Colour Coherence Vectors from Compressed Image Databases", International Journal of Engineering Sciences Research (IJESR), Volume 04, Article 06273; July 2013,(ISSN: 2230-8504; e-ISSN-2230-8512), pp. 908 - 913 (<http://ijesr.in/>)

[53] Dr Suresh Pabboju, "A Framework to Develop Security Policies for Cloud Computing" in the International Journal of Application or Innovation in Engineering & Management (IJAIEM) Volume 2, Issue 5, May 2013. (ISSN 2319 – 4847) pp. 87-92.

[54] Vijay Kumar Damera, Dr Suresh Pabboju, Shyam Sunder Pabboju, "Data Security Issues in Cloud Computing" International Journal Knowledge Engineering and Research (IJKER), Vol. 1, No. 2, pp. 55-59, November 2012.

[55] Suresh Pabboju, Vijay Kumar Damera, P.S.S.Varma, "Security Issues in Social Networking" International Research Journal of Computer Science Engineering & Applications (IRJCSEA), Vol. 1, No. 2 , pp.105-108, November 2012.

[56] Vijay Kumar Damera, Dr.Suresh Pabboju, P. Shyam Sunder, "Secure Storage of Encryption Keys" International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, Vol. 1, No. 7, pp. 1-5, September 2012.

[57] Suresh Pabboju, Dr. A.Venugopal Reddy, "A novel approach to content based image indexing and retrieval using global and region features" in IJCSNS, International Journal of Computer Science and Network Security, VOL.9 No.2, February 2009.

#### **International Conference Publications from the last 10 years:**

- 1 Raju, A.R., Pabboju, S., Rao, R.R. (2022). Hybrid Deep Learning Approach for Brain Tumor Segmentation and Classification. In: Majhi, S., Prado, R.P.d., Dasanapura Nanjundaiah, C. (eds) Distributed Computing and Optimization Techniques. Lecture Notes in Electrical Engineering, vol 903. Springer, Singapore. [https://doi.org/10.1007/978-981-19-2281-7\\_47](https://doi.org/10.1007/978-981-19-2281-7_47) (Scopus)
- 2 K. Sugamya, Suresh Pabboju, P. Sathish; "A smart system for monitoring elderly people comfort living using IoT". AIP Conference Proceedings 30 November 2022; 2516 (1): 150001. <https://doi.org/10.1063/5.0109066>
- 3 Gujjeti, S., Pabboju, S. (2022). Optimized Neural Network for Big Data Classification Using MapReduce Approach. In: Iyer, B., Ghosh, D., Balas, V.E. (eds) Applied Information Processing Systems . Advances in Intelligent Systems and Computing, vol 1354. Springer, Singapore. [https://doi.org/10.1007/978-981-16-2008-9\\_41](https://doi.org/10.1007/978-981-16-2008-9_41)
- 4 B. Prasanthi, S. Pabboju and V. Devara, "Feature Selection based Reduction in Dimensions and Indexing of Images for Efficient Image Retrieval," 2021 International Conference on Emerging Smart Computing and Informatics (ESCI), Pune, India, 2021, pp. 456-461, doi: <https://doi.org/10.1109/ESCI50559.2021.9397054> (Scopus)
- 5 Gujjeti, S., Pabboju, S. (2021). Rider-Deep Belief Network-Based MapReduce Framework for Big Data Classification. In: Satapathy, S.C., Bhateja, V., Favorskaya, M.N., Adilakshmi, T. (eds) Smart Computing Techniques and Applications. Smart Innovation, Systems and Technologies, vol 225. Springer, Singapore. [https://doi.org/10.1007/978-981-16-0878-0\\_24](https://doi.org/10.1007/978-981-16-0878-0_24) (Scopus)
- 6 Manjulatha, B., Pabboju, S. (2021). An Ensemble Model for Predicting Chronic Diseases Using Machine Learning Algorithms. In: Satapathy, S.C., Bhateja, V., Favorskaya, M.N., Adilakshmi, T. (eds) Smart Computing Techniques and Applications. Smart Innovation, Systems and Technologies, vol 224. Springer, Singapore. [https://doi.org/10.1007/978-981-16-1502-3\\_34](https://doi.org/10.1007/978-981-16-1502-3_34)
- 7 BhagyaRekhaSangiseti, Suresh Pabboju, SrinikhilRacha, "Smart Call Forwarding And Conditional Signal Monitoring In Duos Mobile" published in proceedings of International Conference on Advanced Informatics for Computing (ICAICR – 2019), June 15–16, 2019, Shimla, H.P, India © 2019 Association for Computing Machinery, <https://dl.acm.org/doi/10.1145/3339311.3339312>. This work is supported by the University Grant Commission, under grant UGC MRP 6944/16
- 8 Katta Sugamya, Pabboju Suresh, A VinayaBabu, Akhila, Rakshitha presented a paper entitled "CBIR using SIFT with LoG, DoG and PCA", in 3rd International Conference on Data Engineering and Communication Technology(ICDECT-2019) at SCETW, during 15<sup>th</sup>&16<sup>th</sup> March 2019.
- 9 K. Spandana, T. Manoj Kumar, Suresh Pabboju "Applications of IoT for Soil Quality" in the International Conference on Intelligent Computing and Communication Technologies(ICICCT-2019), held during 9th - 11th January 2019, Organized by Department of Computer Science and



- 10 Shankar NayakBhukya and Dr. Suresh Pabboju, "Innovative of Risk Analysis in Requirement Engineering", International Conference on Processing of Materials and Energy on 29th – 30th July, 2016, Ongole, Andhra Pradesh, India.
- 11 Ms. K. Sugamya and Dr. Suresh Pabboju, "Comparative Analysis for CBIT using Fast Discrete Curvelet Transform", International Conference on Innovations in Computer Science and Engineering, published in Springer LNNS Volume 8. pp 15-27,. DOI: 10.1007/978-981-10-3818.1\_3, 20th June 2017.
- 12 K. Sugamya and Dr. Suresh Pabboju, "Comparative Analysis for CBIR using fast discrete curvelet transform", International Conference on Innovations in Computer Science and Engineering (ICICSE 2016), Guru Nanak Institute of Technology, 22nd to 23rd July, 2016.
- 13 K. Sugamya, Dr. Suresh Pabboju, "Image Enhancement using Singular Value Decomposition, International Conference on Research Advances in Integrated Navigation Systems (RAINS 2016) Published in IEEE Explore, April 06-07,2016.R. L. Jalappa Institute of Technology, Doddaballapur, Bangalore, DOI: 10.1109/RAINS 2016. 7764388, Dec 2016.
- 14 B. Prasanthi, Suresh Pabboju and D. Vasumathi, "Specific Query Semantic Signatures in web page Re-ranked Image retrieval", 2016 IEEE International **Conference** on Computational Intelligence and Computing Research 15<sup>th</sup> to 17<sup>th</sup> December 2016.
- 15 Katta Sugamya, Suresh Pabboju, A. VinayaBabu, "CBIR Classification Using Support Vector Machines", International Conference on Advances in Human Machine Interaction (HMI - 2016), March 03-05, 2016, R. L. Jalappa Institute of Technology, Doddaballapur, Bangalore, India. (978-1-4673-8810-8/16/\$31.00 ©2016 IEEE)
- 16 M.Trupthi, Suresh Pabboju, G.Narsimha, "Improved Feature Extraction and classification Sentiment Analysis", International Conference on Advances in Human Machine Interaction (HMI - 2016), March 03-05, 2016, R. L. Jalappa Institute of Technology, Doddaballapur, Bangalore, India. (978-1-4673-8810-8/16/\$31.00 ©2016 IEEE)
- 17 Shankar NayakBhukya, Dr. Suresh Pabboju and Dr. K. Venkatesh Sharma have published the paper "Data Security in Cloud computing and Outsourced Databases", in the proceedings of International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT) - 2016 with IEEE catalog 978-1-4673-9939-5/16/\$31.00 ©2016, DMJ College of Engineering, Chennai, Tamilnadu, India, during 3-5 March, 2016
- 18 Shankar NayakBhukya, Dr. Suresh Pabboju and Dr. K. Venkatesh Sharma have published the paper "Implementing Privacy Mechanisms for Data using Anonymization Algorithms", in the proceedings of International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT) - 2016 with IEEE catalog 978-1-4673-9939-5/16/\$31.00 ©2016, DMJ College of Engineering, Chennai, Tamil Nadu, India, during 3-5 March, 2016
- 19 Shankar NayakBhukya and Dr. Suresh Pabboju have published the paper "Software Architecture Techniques and Emergence of Problem Domain in E-Governance", in the proceedings of International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT) - 2016 with IEEE catalog 978-1-4673-9939-5/16/\$31.00 ©2016, DMJ College of Engineering, Chennai, Tamilnadu, India, during 3-5 March, 2016
- 20 Shankar NayakBhukya and Dr.Suresh Pabboju have published the paper "Software Architecture Central Concern, Key Decisions", in the proceedings of International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT) - 2016 with IEEE catalog 978-1-4673-9939-5/16/\$31.00 ©2016, DMJ College of Engineering, Chennai, Tamilnadu, India, during 3-5 March, 2016
- 21 SwathyVodithala and Suresh Pabboju, "A dynamic approach for retrieval of software components using genetic algorithm", 6th IEEE International Conference on Software Engineering and Service Science (ICSESS-2015), held during 23-25 September 2015, Beijing, China. ISSN : 2327-0586, print ISBN: 978-1-4799-8352-0, pp.406-410.
- 22 R Srinivas and Suresh Pabboju, "A Comprehensive framework for Automatic Image Annotation", International Conference on Research Advancements in Engineering, Science, and Information Technology (ICRAESIT-2015) Organized by BVRIT, Hyderabad in association with IETE and CSI, held during 15th and 16th of December, 2015, ISBN : 978-93-85100-56-7, pp. 8-11.
- 23 J.HimaBindu and Suresh Pabboju, "Cloud Security Issues in Virtualization and Containerization",



International Conference on Innovations in Computer Science and Information Technology (ICICSIT -2015) Organized by MGIT, Hyderabad with technical association with IEEE, ISTE and CSI, held during 28th and 29th of August, 2015, ISBN : 978-93-85100-08-6, pp. 656-661.

- 24 SumalathaBandela, Ramesh Gadde and Suresh Pabboju, "Survey on Cloud Computing Techniques and Security Threats", International Conference on Emerging Trends in Electronics and Telecommunications(ICETET) held during 29th to 31st May, 2015 at Kuala Lumpur, Malaysia, eISSN : 2349-0020, pISSN : 2394-4544
- 25 SwathyVodithala and Suresh Pabboju, "A clustering technique based on the specifications of software components", International Conference on Advanced Computing and Communication Systems (ICACCS -2015) in association with IEEE Madras section, Jan. 05 – 07, 2015, Coimbatore, INDIA. Print ISBN : 978-1-4799-6437-6, pp. 1-6
- 26 Dr Suresh Pabboju, GangadharaRaoKommu, "A Probabilistic Based Multi-label Classification Method Using Partial Information Method Using Partial Information" presented in the International Conference on Emerging ICT for bridging future of CSI- 2014, at the 49th Annual Convention of the Computer Society of India organized by CSI – Hyderabad Chapter in association with JNTUH & DRDO, December 12-14, 2014.
- 27 K. Sugama, Suresh Pabboju, "Content Based Image Retrieval Using Invariant Color and Texture Features", 2nd International Conference on Innovations in Computer Science & Engineering (ICICSE-2014) during 8th to 9th August, 2014 at Guru Nanak Institutions Technical Campus, Ibrahimpatnam, R.R.District., Hyderabad, A.P, India Pin-501506.
- 28 Dr Suresh Pabboju, M. Trupthi, GangadharaRaoKommu, "A Novel Approach for Multi-label Classification using Probabilistic Classifiers", IEEE International Conference on Advances in Engineering & Technology Research (ICAETR - 2014), August 01-02, 2014, Dr. VirendraSwarup Group of Institutions, Unnao, India
- 29 B Prasanthi, Suresh Pabboju, DVasumathi, "Detection of Vehicles in Aerial Surveillance", International Conference on Computer & Communication Technologies-2K14, March 28-29, 2014, Hyderabad, INDIA, pp.37-42.

**National Conference Proceeding Publications from the last 10 years :**

- 1 Swathi Vodithala and Dr.Suresh Pabboju, "A k-behavioral clustering technique for designing the software component repository" in National Conference on Recent Trends in Information Technology, 2013 on 22nd and 23rd March 2013, ISBN : 978-93-5107-051-1, pp.92-94.
- 2 Dr Suresh Pabboju and R Srinivas, "Automatic Image Annotation", National Conference on Advances in Computing and Networking(NCACN-2013), organized by Department of Computer Science and Engineering, JNTU Hyderabad College of Engineering Manthani, in association with CSI, 6<sup>th</sup> and 7<sup>th</sup> December, 2013, ISBN : 9789383038114, pp. 209 - 213.

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