

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



Education Qualifications	Name of the Degree	Class
Ph. D.	Doctor of Philosophy (Computer Science Engineering)	Awarded
PG	M. Tech. (Computer Science Engineering)	Distinction
UG	B. E. (Mechanical Engineering)	Distinction

Work Experience

Teaching	33 Years
Research	18 years
Industry	--
Others	--

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

Professional Memberships

1. Member IEEE, No.: 90523657
2. IEEE Computational Intelligence Society (CIS)
3. Life Member ISME
4. Life Member ISTE, No.: LM17014

Responsibilities held at Institution Level

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

Research Guidance Guided 03 Research Scholars who were awarded Ph. D Degrees and 09 Research Scholars work is in progress

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 Mathematics and Applications, Biometric Security, etc.

No. of Papers Published

National Journals –	--	International Journals –	54
National Conference –	02	International Conference –	23

Projects Carried out --

Patents --

## Invited Speaker

As a Resource person 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.

## No. of Books/Chapters Published with details

## Book Publications

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
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

## Book Chapter Publications

1. Katta Sugamy, Pabboju Suresh, A Vinaya Babu, Akhila, 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](https://doi.org/10.1007/S11227-019-03081-4), Springer, November 2019.
3. Nandini Balusu, Suresh Pabboju and G Narsimha, "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 Sugamy, 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
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. Shankar Nayak Bhukya, Dr. Suresh Pabboju, "Software engineering: risk features in requirement engineering" Springer Science+Business Media, LLC, part of Springer Nature, March 2018.
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. Sugamy 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](https://doi.org/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" Springer Nature Singapore Pvt Ltd. 2017

## Details of Short-Term Training Programs / Faculty Development

1. Organized one-week FDP on "Data Science" in association with E & ICT Academy, NIT, Warangal, Sponsored by Ministry of

Programs / Seminars / Workshops / Other Trainings (Attended and/or Organized).

- Electronics and Information Technology (MeitY), Gol, 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. 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.
  5. 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.
  6. 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.
  7. 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.
  8. 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.
  9. 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 Semester.

#### International/National Journals from 2017

1. K. Spandana, Suresh Pabboju, Likhitha Chinthakuntla, Gorupally Sai Chandana, "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.
2. Nandini Balusu, 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
3. 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
4. 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
5. Katta Suganya, Pabboju Suresh, A Vinaya Babu 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.
6. Shankar Nayak Bhukya 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.
7. 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).
8. 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>.
9. A. Ratna Raju, P. Suresh, R. Rajeswara Rao, "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.
10. P. Srinivasa Rao, 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
11. P. Srinivasa Rao, 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
12. 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).
13. 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.

14. 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
15. Shankar Nayak Bhukya, 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.
16. 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
17. P. Srinivasa Rao 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.
18. 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
19. Swathy 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.

#### **International/National Conferences from 2017**

1. Bhagya Rekha Sangiseti, Suresh Pabboju, Srinikhil Racha, "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
2. 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 15<sup>th</sup> &16<sup>th</sup> March 2019.
3. 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 Engineering & Information Technology, BVRIT Hyderabad College of Engineering for Women.
4. Shankar Nayak Bhukya 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.
5. 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.