

Dr. Poornima B.
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Education Qualification

- Ph.D. in Computer Science and Engg on “Studies in Fuzzy Graphs” under the guidance of Dr. V. Ramaswamy from Kuvempu University in the year 2012.
- M. Tech in Computer Science and Engg from P.D.A.College of Engg, Gulbarga, affiliated to V.T.U Belgaum in the year 2001.
- B.E. in Electronics and Communication, S.I.T. Tumkur, affiliated to Bangalore University in the year 1989.

Past Experience

- Worked as a lecturer at S.I.T. Tumkur, Bapuji Polytechnic, Davangere and U.B.D.T.C.E, Davangere from 1989 to 1999.
- Worked as an Asst. Professor of CS&E Department, B.I.E.T Davangere from 2001 to 2012.
- Working as Professor and Head of department of Information Science & Engineering from 2012 to till date.
- Worked as Dean, Training and Placement for more than 5 years.

Research Interest

Artificial Intelligence, Machine learning, Image Processing and Big data Analytics.

Research Contributions

- Mr. Ashoka K. has been awarded with Ph. D for his research topic “**Some Novel Approaches for Privacy Preserving Data Publishing**” under my guidance.
- Mrs. Vinutha H. P. has been awarded with Ph. D for her research topic “**Data Mining Approaches for Security and Data Integrity in Networking Environment**” under my guidance.
- Presently five research scholars are pursuing their research.

Awards / Recognition

- Dean, Incubation Centre BIET, Davangere
- College Coordinator for New Age Incubation Network (NAIN).
- Regional Coordinator for Remote Centre of NME-ICT, IIT Bombay.
- One of the Directors of Bapuji Cooperative Bank, Davangere
- Guided the project which appreciated as Commendable Project in XVI KSCST student’s project held at VEC, Bellary.

Professional Membership

- Life Member of Indian Society for Technical Education (ISTE) LM 33081.
- Life member of The Institute of Engineers (MIE) (India) M-165366-8

Subjects Handled

- Object Oriented programming with C++
- MachineLearning
- SoftwareEngineering
- Data Base ManagementSystems

Workshops Conducted

- Principal Co-ordinator for One day FDP on “**Academic Interface Program**” conducted in association with TCS, Bengaluru and ISTE faculty chapter on 16th March 2018.
- Remote Centre Co-coordinator for Two week FDP on “**Foundation program in ICT for Education (FDP101x)**” conducted by IIT Bombay from 19th March to 31st March 2018.
- Remote Centre Co-coordinator for Two week FDP on “**Foundation program in ICT for Education (FDP201x)**” conducted by IIT Bombay from 12th May to 27th May 2018.
- Remote Centre Co-coordinator for One day workshop on “**Koha and Library Automation**” conducted by IIT Bombay on 12th October 2018.
- Remote Centre Co-coordinator for One day workshop on “**Moodle Learning Management System**” conducted by IIT Bombay on 15th March 2019.
- Principal Co-coordinator for Five days workshop on “**Effective Teaching**” (ICT based programme) from 15th July 2019 to 19th July 2019 in association with National Institute of Technical Teacher’s Training & Research, Kolkata (NITTR)
- Remote Centre Co-coordinator for One day workshop on “**eSim**” conducted by IIT Bombay on 16th August 2019.
- Remote Centre Co-coordinator for One day workshop on “**Linux**” conducted by IIT Bombay on 29th August 2019.

Workshops Attended

- Participated in four days workshop on “Training of Evaluators on Outcome based Education and Accreditation” jointly organized by NBA, New Delhi and BIET, Davangere, on 5 March 2014(Phase-I) and 21st – 23rd March 2017(Phase - II).
- Participated in one day workshop on “Intellectual Property Rights” organized by R&D Cell of BIET, Davangere on 6th April 2017.
- Participated in two days National Seminar Kaushala-2017 on “Skill Module for Engineers and Managers” held on 21st and 22nd April 2017 at AIET, Moodbidri.

Projects Sponsored

- Principal Investigator for the Titled “**Novel Integrated Filter Based Approaches For Image Abstraction to Investigate The Hidden Research Issues in Processing Domain**” for 40.00 Lakhs under VGST/K-FIST L2
- Principal Investigator for the Project “**Design and Analysis of Efficient Privacy Preserving Data Mining Algorithms**” for 4.30 Lakhs, Sponsored by AICTE under RPS, New Delhi.

List of Publications

- Mrs. Poornima B. and Dr. V. Ramaswamy, **Time Table Scheduling Problem Using Fuzzy Algorithmic Approach**, The International Journal of Logic and Computation (IJLP), **IF : 1.15** Volume (2): Issue (2), 2011.P 14-21.
- Mrs. Poornima B. and Dr. V. Ramaswamy **.Application of Edge Coloring of a Fuzzy Graph**, International Journal of Computer Applications(IJCA, 975 – 8887) **IF: 0.752** Volume 6, No.2, September 2010, P 14-19.
- Mrs. Poornima B. and Dr. V. Ramaswamy, **Total Coloring of a Fuzzy Graph**, International Journal of Computational and Applied Mathematics, Volume 5, Number 1, 2010, P 11 – 22.
- Mrs. Poornima B and Dr. V. Ramaswamy, **Product Fuzzy Graphs**, International Journal of Computer Science and Network Security, Volume.9 No.1, January 2009, P114 – 118.
- Mrs. Poornima B and Dr. V. Ramaswamy, **Edge coloring of a Fuzzy Graph**, Advances in Fuzzy Mathematics, Volume 4, Number 1, 2009, P 49 – 58.
- Mrs. Poornima B and Dr. V. Ramaswamy, **Fuzzy Regularizable Graphs**, International Journal of Mathematics and Computation, Volume 4, No. S09, September 2009, P 105 – 110.
- Mr. Ashoka K. and Dr. Poornima B., **Survey of Latest Developments in Privacy Preserving Data Publishing**., International Journal of Advanced Information Science & Technology, ISSN: 2319-2682, IF: 3.15, DOI: 10.1563 PP 1-10 in December 2014.
- Mr. Ashoka K. and Dr. Poornima B., **Organized Clustering Method for Privacy Preserving Data Publishing**., International Journal of Engineering and Manufacturing Science, ISSN: 2249-3115, Vol. 8, No. 1 pp. 23-32, 2018.
- Mrs. Vinutha H. P. and Dr. Poornima B., **A Survey Comparative Study on Intrusion Detection System**, International Journal of Advanced Research in Computer and Communication Engineering, ISSN: 2319-5940, IF: 4.582, DOI: 10.17148 PP 410-414
- Mrs. Vinutha H. P. and Dr. Poornima B., **Analysis of Feature selection algorithms for Naïve Bayes Classifier using NSL-KDD**, International Journal of Engineering and Manufacturing Science, ISSN: 2249-3115, Vol. 8, No. 1 pp. 167-175, 2018.
- Dr. Poornima B., **“System Model for Processing on Multi-Format of Dataset”** International Journal of Trend in Scientific Research and Development(IJTSRD) Vol-2/ Issue-5(Jul-Aug 2018) With Impact factor 4.101 for the year of 2018 by I2OR.ISSN:2456-6470.
- Dr. Poornima B., **“A Comprehensive Survey on Health Care Management by using Internet of Things”** International Journal of Scientific and Engineering Research (IJSER) December 24, 2016. ISSN:2229-5518.
- Dr. Poornima B. Bharath **“Methodical Clustering Slant for Privacy Preserving Data Mining”**International Journal of Advanced Research in Computer and Communication Engineering, ISSN:2319-5940, IF: 5.947, Volume 6(3) March 2017.
- Ms. Bhuvaneshwari K. V. and Dr. Poornima B. **“Cervical Cancer Cell Identification &Detection using Fuzzy C Mean and K nearest Neighbor Techniques”** International Journal of Innovative Technology and Exploring Engineering(IJITEE) Scopus Indexed Vol. 8, August 2019, Issue 10, PP 1080-1084 ISSN(Online): 2278-3075 Impact factor: 5.54
- Dr. Poornima B. **“A Comprehensive Survey on non-photorealistic Rendering and Benchmark Development for Image Abstraction and Stylization”** Iran Journal of Computer Science (Springer) 2, 131 - 165 May 2019

Book Chapters

- Mr. Ashoka K, Mrs. Poornima B. **“Mutual correlation based Anonymization for Privacy Preserving Medical Data Publishing”** Information Security in Biomedical Signal Processing, IGI Global Publishers.

International Conference

- Ashoka K, Poornima B. presented a paper titled “Mutual Correlation based Optimal Slicing for Privacy Preserving in Data Publishing” at the 1st International Conference on Smart Computing & Informatics(SCI) organised by CSE & ISE Student branch of Anil Neerukonda Institute of Technology and Sciences Bheemunipatnam Mandal, Andra Pradesh – 531162, Sangivalasa, Visakhapatnam from 3rd& 4th March 2017.
- Ashoka K, Poornima B. “Stipulation based Anonymization with Sensitivity Flags for Privacy Preserving Data Publishing” at 5th International conference on Advanced Computing, Networking and Informatics-2017(ICACNI), June-2017, NIT-Goa.
- Ashoka K, Poornima B. “Enhanced Utility in Preserving Privacy for Multiple Heterogeneous Sensitive Attributes using Correlation and Personal Sensitivity flags” at ICACCI-2017, Sept-2017, MIT-Manipal.
- Bharathi N. and Dr. Poornima B. presented a paper entitled “Image Processing Technique on Identification of Leaf Types and Diseases on Tomato Leafs” at the International Conference on current Trends in Engineering and Management(ICCTEM 2014) held on 17-19, July 2014at Vidyavardhaka College of Engg , Mysore.
- ParveenTaj and DrPoornima B. presented a paper entitled “Feasibility Study of Indian Paper Currency Recognition System using Neural Network” at the International Conference on Information and Communication Technologies (ICICT - 2014) held on 5-6, May 2014 at PES Institute of Technology and Management, Shivamogga.
- Mrs. Vinutha H. P. and Dr. Poornima B., **Analysis of NSL-KDD Dataset using K-Means and Canopy Clustering Algorithms based on Distance Metrics**, Second International Conference on Integrated Intelligent Computing, Communication and Security (ICIIC-2018)during 24th – 25th January 2018,Organised by the Department of Computer Science &Engg, SJBIT, Bengaluru-60.
- Mrs. Vinutha H. P. and Dr. Poornima B., **An Ensemble Classifier Approach on Different Feature Selection Methods for Intrusion Detection**, 4th International Conference on Information System Design and Intelligent Applications(India-2017), organized by Duy Tan University, O3 QuangTrung, Da Nang, Vietnam in Association with Pioneer Research Foundation, India during 15th -17th June, 2017.
- Mrs. Vinutha H. P. and Dr. Poornima B., **Detection of Outlier using Interquartile Range Technique from Intrusion Dataset**, 6th International Conference on Frontiers in Intelligent Computing Theory and Applications(FICTA) organized during 14th – 15th October,2017 at KIIT University, Bhubaneshwar, Odisha, India.
- Participated in three days International Conference on “Applied and Theoretical Computing andCommunication Technology (iCATccT-2015)” held at BIET, Davangere on 29th to 31st October 2015.

National Conference

- Nirmala B. and Dr. Poornima presented a paper titled “Performance Analysis of WCETT in Wireless Mesh Networks” in the two day National Conference on Emerging & Innovative trends in Computer Science, NCEITCS-2012, May 1-2,2012 organized by Vasavi College of Engineering, Ibrahimbagh, Hyderabad – 31.
- Dr. Poornima B. presented a paper titled “Implementation of K-Means Clustering Approach for the Edge Detection and Disease Identification of Cotton Leaves Image Processing Technique” in NCRAECE-17 the national conference on Recent Advances in Electronics and Communication Engineering on 13th October 2017, BIET, Davangere.
- Participated at the national seminar “KAUSHALA-2017” on “Skill Module for Engineers and Managers”, held on 21st& 22nd, April 2017 at Alva’s Institute of Engineering Technology, Moodbidri