

- PUBLICATIONS** : Journals : 37 papers published, Conferences : 110 papers published with 05 Best Paper awards, Books contributed : 09, Books reviewed : 05.
- PROFESSIONAL MEMBERSHIPS** : National : CSI, ISTE, IEI, IARCS, ACS, CCICI
International : IEEE, IEEE-CS, ACM, IAENG, AIS
- ASSIGNMENTS ABROAD** : Visiting Professor at Université des Mascareignes, Mauritius (2017-2018)
- INTERNATIONAL UNIVERSITIES VISITED FOR ACADEMIC INTERACTIONS** : University of British Columbia, University of Manitoba, Canada, Kumamoto University Japan, Penn State University, Carnegie Mellon University, Ohio State University, University of Cincinnati, University of Dayton, Wright State University, USA, Université des Mascareignes, Mauritius
- AWARDS & RECOGNITIONS**
- Best Ph.D. thesis supervisor award from BiTES, Bangalore for the year 2018 and 2020
 - First Rank with Institute Gold Medal in M.Tech. from N.I.T.K. Surathkal
 - Five Best paper awards for the research papers presented in international conferences in India and Abroad
 - Certificate of achievement awarded as the proctor of the Team "WhereIsMyChar" represented by Ashwin Joisa, Naveen Kumar, Shanthanu Rai from N.I.T.K. Surathkal for achieving a Global Rank of 18 in IEEE Xtreme 13.0, a 24 hour online programming contest
 - Certificate of Achievement awarded to the coach during the 2004 ACM International Collegiate Programming Contest
 - Recipient of GATE scholarship
 - Received Fellowship awarded to attend the International Conference on VLSI Design held at I.I.T. Delhi from January 04th -08th, 2003.
 - Received Fellowship awarded to attend the International Conference on Data Engineering held at I.I.Sc. Bangalore from April 22nd to 25th, 2003.
 - Received Fellowship awarded to attend the VLSI Design & Test Workshops (VDAT 2003) at I.I.Sc. Bangalore during 28th-30th August, 2003.
 - Fellow of Institution of Engineers(I)
 - Senior Member of IEEE and ACM
 - Member of Department Advisory Board, Board of Studies, Faculty Selection in various Institutions of Higher Learning.

SUBJECTS TAUGHT

: Cloud Computing, Data Science, Distributed Systems, Operating Systems, Web Technology, Software System Design and Architecture, Object oriented analysis and design, Database Management systems, Management Information Systems, Software Engineering, Computer programming with C, Data Structures, Distributed databasesm Object oriented programming with C++ & Java

INVITED/KEYNOTE TALKS DELIVERED:

1. Invited lecture on “IEEE student branch and IEEE Computer Society student branch activities and ways to harness the benefits of Membership for Knowledge Enrichment” during inauguration of IEEE Computer Society student branch, IIIT Dharwad on 24th Sep 2021.
2. Invited lecture on “DIGITAL TECHNOLOGIES FOR OLDER PERSONS AND HEALTHY AGEING”, on May 24, 2022 organised by The Institution of Engineers (India) Mangaluru Local Centre on the occasion of WORLD TELECOMMUNICATION AND INFORMATION SOCIETY DAY - 2022
3. Invited lectures on “Procedural Design Methodology” (on 17-03-2022) during the VGST sponsored 4-Days FDP on “Software Engineering & Testing Methodologies” from: 16th to 19th March 2022, Organized by Department of Computer Science and Engineering, Hirasugar Institute of Technology. Belgaum
4. Invited lectures on “Research Avenues in Machine Learning and AI for Societal Issues” (on 14-03-2022) during the AICTE Sponsored Faculty Development Programme on “Research Avenues in Machine Learning and AI for Societal Issues” from 14th -18th March , 2022 organized by NIT Silchar
5. Keynote address on “Exploring Big Data Analytics and its Applications” (on December 6, 2021) during the Online National Workshop on Big Data Analytics (BDA – 2021) conducted during Dec. 6-7, 2021, at Sardar Vallabhbhai National Institute of Technology Surat
6. Invited lectures on “Big Data and Its Applications” (on 24-11-2021 and 25-11-2021) during the UGC sponsored refresher course in ICT from 17th to 30th November 2021 conducted by Utkal University
7. Invited lectures on “Applications of IOT Current Trends and Future Scope” (on 10-11-2021) during the five-Days AICTE Sponsored ATAL academy advanced Faculty Development Program on Internet of Things and Human-Computer Interaction conducted from 08th to 12th November, 2021 at NIT Goa, Dept. of CSE.
8. Invited lectures on “The Future of Digital Health with Federated Learning” (on 29-10-2021) during the five-Days AICTE Sponsored ATAL academy elementary Faculty Development Program on Internet of Things and Human-Computer Interaction conducted from 25th to 29th October, 2021 at NIT Goa, Dept. of CSE.
9. Invited Lecture on "Edge computing " at the National Webinar on “Edge Computing and Emerging Security Technologies” organized by the Department of Computer Science, Berhampur University on 09-10-2021.
10. Keynote address "Emerging Paradigms in Artificial Intelligence and Data Science" on 16-8-2021 at the faculty development program on “Emerging Paradigms in Artificial Intelligence and Data Science” conducted from 16th to 20th August, 2021 at Vishwakarma Institute Of Technology, Pune, Department Of Information Technology And Artificial Intelligence & Data Science.
11. Invited webinar on “Applications of linear algebra”, to the BSc. Software Engineering students of University of Mascareignes, Mauritius on 29th June 2022
12. Invited webinar on “Harnessing the benefits of IEEE Membership through IEEE Student Branch” during the Inaugural address of Inauguration of IEEE SVCE COMSOC Chapter of IEEE SVCE Student Branch, Sri Venkateswara College of Engineering, Tirupati on 28th June 2021.

13. Invited lecture on “Machine Learning Research Impact: Past, Present and Future” during the 5 Days Faculty Development Program on Recent Trends in Application of Artificial Intelligence & Machine Learning in Engineering held at NMAMIT, Nitte on 26th March 2021.
14. Invited webinar on “Roadmap for the IEEE Student Branch to harness the local and global benefits of IEEE Membership” during the Inaugural address of Inauguration of Srinivas University IEEE Student Branch, on 10th October 2020.
15. Invited webinar on “Student Internship opportunities for students in Academia & Industry in India and Abroad” for the students of Beary's Institute of Technology Mangalore on 26th September 2020.
16. Invited webinar on “How to build your team and successfully running the Conference” during IEEE Region 10 sponsored Conference Organizers Education Workshop (COEW) organized by IEEE Bangalore Section and IEEE Mangalore Sub-Section on 17th October 2020.
17. Invited technical talk on “Edge Computing” held on 15th February 2020 at Department of Computer Science & Engineering, Alva's Institute of Engineering & Technology, Moodbidri.
18. Invited technical talk on “Technology trends of the new decade” held on 25th January 2020 at Knowledge Labs, Mangalore.
19. Invited technical talk on “Digital Transformation: A New Industrial Revolution” at Manipal Institute of Technology, Manipal organised by The Institution of Engineers (I), Mangalore Local Centre on 25th September 2018 on the occasion of the 51st Engineers' Day Celebrations.
20. Keynote address on “Machine Learning Impact: Past, Present and Future” at the International Conference, 5th International Conference on Information System Design And Intelligent Applications-INDIA 2018, held at Université des Mascareignes during 19th-21st July 2018.
21. Keynote address on “Machine learning and Big Data Analytics: Past, Present, and Future” at the International Conference on “Cognitive Science and Artificial Intelligence” organized by Sree Vidyanikethan Engineering College (Autonomous), Tirupathi on 05th January 2018.
22. Keynote address on “Advances in Data Science and its implications on Business” at the National Conference on “Innovations and Implications in IT, Management, Social Science and Education” organized by Srinivas University, Mangalore on 23rd December 2017.
23. Invited talks on “Data Science: Past, Present and Future” and “Data Science Challenges and Opportunities” during the Research Conclave held at SECAB Institute of Engineering & Technology, Vijayapur, Karnataka on 11th March 2017.
24. Invited talk on “Real time Analytics” and “Predictive Analytics” during Faculty Development Programme on “Big Data Analytics Tools and Techniques” at National Institute of Technology, Calicut during 27th February to 4th March 2017.
25. Plenary talk on “Big Data for Smart City” during the International Conference on Smart Cities at Rajiv Gandhi Memorial Institute of Technology, Nandyal, Andhra Pradesh, during 15th - 17th December 2016.
26. Invited talk on “Big Data : Past, present and Future” during the National Conference on Recent Innovations in Data Science during October 5th - 6th organised by Department of Computer Science, College of Engineering VadaKara in collaboration with Information Technology department, Kannur university.
27. Invited talk on “Big Data : Techniques and Challenges” at Vachana Pitamaha Dr. P. G. Halakatti College of Engineering and Technology, Bijapur, Karnataka, during the All India seminar on “Big DATA” on 18th – 19th March 2016.
28. Invited talk on “Big Data : Research Challenges and Opportunities” at Annasaheb Dange College of Engineering & Technology, Ashta, Sangli as part of the Faculty Development Programme on “Big DATA” on December 26th 2015.
29. Plenary talk on “Big Data : Challenges and Opportunities” at the Global Congress on Computing and Media Technologies (GCMT '15) held at Chennai, India, during November 25th-27th, 2015 by Sathyabhama University Chennai, in association with Asia Pacific University of Technology & Innovation, Malaysia.
30. Invited talk on “NBA Accreditation : SAR Preparation” at NIT Silchar on 10th October 2015.

31. Invited talk on “Cloud Computing” at NIT Silchar on 11th October 2015.
32. Invited talk on “Cloud Computing” at Gujrat Technological University as part of the Research week during April 2015.
33. Invited talk on “New Challenges of research in Computer Science” during 2015 IEEE International Advance Computing Conference at B.M.S. College of Engineering, Bangalore during June 12th-13th , 2015.
34. Invited talk on “Big Data” at Gujrat Technological University as part of the Research week during April 2014.
35. Invited talk on “Big Data Applications” during the National level seminar on “Parallel and Distributed Processing Techniques & Applications held at St. Philomena College Puttur, Mangalore, on 14th February 2014.
36. Special Lecture on Specification Systems during the STTP on Internet Technologies and E-commerce at NITK-Surathkal during dec 2004 at NITK, Surathkal.
37. Special lecture on E-Learning for the participants of AICTE-ISTE sponsored short term training programme on Digital Library

PAPERS PUBLISHED IN INTERNATIONAL JOURNALS

1. Rashmi Adyapady R., B. Annappa, A comprehensive review of facial expression recognition techniques, *Multimedia Systems*, July 2022, <https://doi.org/10.1007/s00530-022-00984-w>
2. Rashmi Adyapady R., B. Annappa, Micro Expression Recognition Using Delaunay Triangulation and Voronoi Tessellation, *IETE Journal of Research*, 2022, DOI: 10.1080/03772063.2022.2068680
3. Naela Rizvi, Dharavath Ramesh, Lipo Wang, and Annappa B, A Workflow Scheduling Approach with Modified Fuzzy Adaptive Genetic Algorithm in IaaS Clouds, *IEEE Transactions on Services Computing*, May 2022
4. Prasenjit Kumar Das, Nidul Sinha and Annappa, “A Neural Network Based Heuristic Phishing Pattern Prediction Method in Cloud”, *TELEMATIQUE Journal*, Vol 21, No 1 (2022), pp.1319-1328, ESCI
5. Saraswati Koppad, Annappa B, Katrina Nash, Georgios V. Gkoutos, and Animesh Acharjee, Machine Learning-Based Identification of Colon Cancer Candidate Diagnostics Genes, *Biology*, 2022; 11(3):365. SCI-E, Scopus, <https://doi.org/10.3390/biology11030365>
6. Prasenjit kumar Das, Nidul Sinha, Annappa B, Secure Cloud Framework Based on Machine learning Approach, *Journal of Algebraic Statistics*, Vol. 13 No. 2 (2022), pp.1383 - 1390, 26-05-2022
7. Saraswati Koppad, Annappa B, Georgios V. Gkoutos and Animesh Acharjee, Cloud computing enabled big multi-omics data analytics, *Bioinformatics and Biology Insights*, Scopus, 2021
8. Shubham Dodia, Annappa B, Padukudru A. Mahesh, A Novel Receptive Field Regularized V-Net (RFR V-Net) and Nodule Classification Network (NCNet) for Lung Nodule Detection, *International Journal of Imaging Systems and Technology*, Wiley, 29th July 2021, SCI-E, Scopus, Web of Science, , pp.1-14, DOI: 10.1002/ima.22636
9. Ashwin Kumar Kulkarni, B. Annappa, GPU-aware resource management in heterogeneous cloud data centers, *The Journal of Supercomputing*, Springer Nature, 77, April 2021, pp.1-28 <https://doi.org/10.1007/s11227-021-03779-4>, SCI, SCIE
10. Bhawna Nigam, Ayan Nigam, Rahul Jain, Shubham Dodia, Nidhi Arora, B. Annappa, COVID-19: Automatic detection from X-ray images by utilizing deep learning methods, *Expert Systems*

With Applications(ESWA),176(2021), 1-11, SCI-E, Scopus, Web of Science, <https://doi.org/10.1016/j.eswa.2021.114883>

11. Manjunatha S, Annappa B, Real-time Big Data Analytics Framework with Data Blending Approach for Multiple Data sources in Smart City Applications, *Journal of Scalable Computing: Practice and Experience*, vol 21, no. 4, 2020, pp.611-623, Scopus, ESCI, <https://doi.org/10.12694/scpe.v21i4.1759> 10.12694/SCPE.V21I4.1759
12. Harita Reddy, Namratha Raj, Manali Gala, Annappa Basava, Text-mining-based Fake News Detection Using Ensemble Methods, *International Journal of Automation and Computing*, vol. 17, no. 2, 2020, pp.210-221, Scopus, <https://doi.org/10.1007/s11633-019-1216-5>
13. Manjunatha, Annappa B, Real-time emergency event detection system for Public safety using multi-source data, *International Journal of Advanced Science and Technology*, vol. 29, no. 5,2020, pp.344-351, Scopus, <http://sersc.org/journals/index.php/IJAST/article/view/7167>
14. Keerthi S Shetty and Annappa B, Clumped-MCEM : Inference for multistep transcriptional processes, *Computational Biology and Chemistry*, vol.81, August 2019, pp.16-20, SCI, Scopus, <https://doi.org/10.1016/j.compbiolchem.2019.107092>
15. Ashwin Kumar Kulkarni, B. Annappa, Context Aware VM Placement Optimization Technique for Heterogeneous IaaS Cloud, *IEEE ACCESS*, vol.7, 2019, pp.89702-89713, <https://doi.org/10.1109/ACCESS.2019.2926291>, Scopus
16. Bhaskar Gautam, Annappa Basava, Performance Prediction of Data Streams on High-Performance Architecture, *Human-centric Computing and Information Sciences*, vol.9, no.2, 2019, pp.1-23, SCIE, <https://doi.org/10.1186/s13673-018-0163-4>, SCIE
17. Prasenjit Kumar Das, Nidul Sinha and Annappa B, Data Privacy Preservation Using AES-GCM Encryption In Heroku Cloud, *International Journal of Recent Technology and Engineering (IJRTE)*, Volume-8, Issue-3, September 2019, pp.7544-7548
18. Sumith N, Annappa B, Swapan Bhattacharya, Influence Maximization in Large Social Networks: Heuristics, Models and Parameters, *Future Generation Computer Systems Journal*, 2018, Volume 89, 2018, pp.777-790, SCIE, Scopus, <https://doi.org/10.1016/j.future.2018.07.015>, SCI
19. Keerthi S. Shetty, Annappa B, Transcriptional processes: Models and inference, *Journal of Bioinformatics and Computational Biology*, Vol. 16, No. 05, 1850023 (2018), World Scientific Publishing, SCIE, Scopus, <https://doi.org/10.1142/S0219720018500233>, Scopus
20. Sumith N, Annappa B, Swapan Bhattacharya, A Holistic Approach to Influence Maximization in Social Networks: STORIE, *Applied Soft Computing Journal*, 66, 2017, pp.533-547, SCIE, Scopus, 10.1016/j.asoc.2017.12.025
21. Bane Raman, R. and Annappa, B, Autonomic Resource Management Framework for Virtualized Environments , *International Journal of Internet Technology and Secured Transactions*, 19 (10B), 4617- 4622, 2017, Scopus

22. Sumith N, Annappa B, Swapan Bhattacharya, Social Network Pruning for Building Optimal Social Network: A User Perspective, International Journal of Knowledge Based Systems, Volume 117, pp.101-110, Oct 2016, SCI, Scopus
23. Likewin Thomas, Manoj Kumar M V, Annappa, Best Resource Recommendation for a Stochastic Process, International Journal of Information, Vol.19, No.10(B), pp. 4611-4616, Oct 2016, Scopus
24. Manoj Kumar M V, Likewin Thomas and Annappa B, Concept Drifts Detection and Localisation in Process Mining, International Journal of Information, Vol.19, No.10(B), pp.4617-4622, Oct 2016, Scopus
25. Bane Raman, R. and Annappa, B, Improving Resource Utilization in Datacenters by Accurately Triggering Live VM Migration, International Journal of Information Processing, Vol. 09 Issue 04, pp.1-14, 2015
26. Varsha G Maragi,, Prathibha M V, Lavanya B, Annappa B, Recommender Systems to Improve Response Time of Computationally Intensive Tasks Distributed on Social Networking Platform, International Journal of Information Processing, 2015, 9(3), pp.106-116
27. Arka Rai Choudhuri, Shriyak Sridhar, Kalyanasundaram S, Annappa B, An Incentivized Approach for Fair Participation in Wireless Ad hoc Networks, published in the International Journal of Recent Development in Engineering and Technology(IJRDET), no.2(3) (2014), pp.117-121
28. Rahul Dutta, B Annappa, Protection of data in unsecured public cloud environment with open, vulnerable networks using threshold-based secret sharing, Journal of Network Protocols and Algorithms, 6(1), April 30, 2014, pp.58-75
29. Shah Gita, Annappa, Shet, K. C., Design Architecture-Based on Web Server and Application Cluster in Cloud Environment, International Journal of Computer Science & Information Technology, 2014, vol. 6, Issue 2, pp.111
30. Shah Gita, Annappa, Shet, K. C., Design an efficient Big Data analytic architecture for retrieval of data based on Web Server in Cloud Environment, International journal on cloud computing: services & architecture, Apr 2014, vol. 4, No. 2, pp.1-10
31. Shetty, Dasharathraj K and Annappa, K and Aithal, Prakash K and Melenta, Vrishika, Neural Network Based Mathematical Models for Gold Price Prediction, International Journal of Advanced Computer Communications and Control, vol.2, issue 4, pp. 134-138, 2014
32. Annappa B, Rabna Rajendran, K Chandrasekaran, K C Shet, Design of Extensible Software Applications with Design Patterns, International Journal of Information Processing, June 2012, 6(2), pp.22-30
33. Rakesh S, Ajitkumar A Kaller, Shadakshari B C and Annappa B, Image Encryption using Block Based Uniform Scrambling and Chaotic Logistic Mapping ,International Journal on Cryptography and Information Security (IJCIS),ISSN : 1839-8626, March 2012, 2(1), pp.49-57.
34. Likewin Thomas, Annappa B, Utilization of MapReduce for Parallelization of Resource Scheduling using MPI:PRS, International Journal of Innovative Research in Science and Techniques (IJIRST), 2(1), January-June 2011, pp. 19-30.
35. Annappa B, K Chandrasekaran, K C Shet, Reach-ability Analysis of a Cooperative Work flow

Model, Journal of E-Technology, ISSN:0976-3503, February 2010, pp. 31-38.

36. Annappa B, K Chandrasekaran, K C Shet, A Conceptual Model of an Inter-Organizational Cooperative Workflow, International Journal of Software Engineering and Technology, ISSN:0974-9748, July'09, pp. 156-163.
37. Annappa, Vikas Pachisia, Analytical analysis of IEEE 802.11 MAC, Journal: world scientific and engineering academy and society transactions on computers

PAPERS PRESENTED AT INTERNATIONAL CONFERENCES/SEMINARS

1. Shubham Dodia, Annappa B, Padukudru A. Mahesh, A Novel Bi-level Lung Cancer Classification System on CT Scans, 26th UK Conference on Medical Image Understanding and Analysis MIUA 2022, 27 - 29 July 2022, Centre for Mathematical Sciences, Wilberforce Rd, Cambridge, University of Cambridge, Lecture Notes in Computer Science, vol 13413. pp. 578-593, Springer, Cham https://doi.org/10.1007/978-3-031-12053-4_43, available from 25 July 2022
2. Rashmi Adyapady R., B. Annappa, Learning Engagement Assessment in MOOC Scenario, 2022 IEEE CONECCT, 8th-10th July 2022, Bangalore
3. Gowtham L, Annappa B, FedPruNet: Federated Learning Using Pruning Neural Network, IEEE TENSYP, IIT Mumbai, 1st -3rd July 2022
4. Gunda Sai Yeshwanth, Annappa B.,Shubham Dodia, Manoj Kumar M, Infant Brain MRI Segmentation using Deep Volumetric U-Net with Gamma Transformation, 7th International Conference on "Emerging Research in Computing, Information, Communication and Applications - ERCICA 2022", NMIT Bangalore, 25th -26th February, 2022
5. Abhinav Antani, Annappa B.,Shubham Dodia, Manoj Kumar M, Bankruptcy Prediction using Bi-level Classification Technique, 7th International Conference on "Emerging Research in Computing, Information, Communication and Applications - ERCICA 2022", NMIT Bangalore, 25th -26th February, 2022, received Best paper award.
6. Shubham Dodia, Annappa B, Padukudru A. Mahesh, A Novel Artificial Intelligence-based Lung Nodule Segmentation and Classification System on CT Scans, 6th IAPR International Conference on Computer Vision and Image Processing 2021 (CVIP-2021), pp.552-564, December 3-5, 2021, https://doi.org/10.1007/978-3-031-11349-9_48
7. Kamath S., Singhal P., Jeevan G., Annappa B. (2022) Engagement Analysis of Students in Online Learning Environments. In: Misra R., Shyamasundar R.K., Chaturvedi A., Omer R. (eds) Machine Learning and Big Data Analytics (Proceedings of International Conference on Machine Learning and Big Data Analytics (ICMLBDA) 2021, Lecture Notes in Networks and Systems, vol 256. Springer, Cham., pp. 34-47, https://doi.org/10.1007/978-3-030-82469-3_4
8. Shushant Kumar, Edwin Thomas, Anmol Horo and Annappa B, Distributed Cloud Deep Learning Architecture for Complex Image Analysis and Runtime Prediction Tool, International Conference on Computational Intelligence, Data Science and Cloud Computing (ICSMSIC-2020), 25th-27th September, 2020, Received BEST PAPER AWARD
9. Sneha H R, Annappa B, TORA: Text Summarization using Optical Character Recognition and Attention Neural Networks,Sixth International Conference on Emerging Research in Computing, Information, Communication and Applications- (ERCICA-2020)
10. Manoj Kumar MV, Prashanth B S, Sneha H R, Likewin Thomas, Annappa B, YVS Murthy, Process Logo: an Approach for Control-flow Visualization of Information System Process in Process Mining,Sixth International Conference on Emerging Research in Computing, Information,

Communication and Applications- (ERCICA-2020)

11. Adya Kiran, Samvid Dharanikota, Annappa Basava, Blockchain based Data Access Control using Smart Contracts, 2019 IEEE Region 10 Conference (TENCON 2019), Kochi, Kerala, 17-20 Oct. 2019, IEEE, pp.2335-2339, 10.1109/TENCON.2019.8929451
12. Prasenjit Kumar Das, Arka Pratim Mandal, Nidul Sinha, Annappa B, Data Privacy Preservation based on Multitenant Isolation in Cloud, International Conference on Computational Intelligence & IoT (ICCIIoT), 2018, NIT Agartala, 14th - 15th December, 2018, Elsevier
13. Bhaskar Gautam, Annappa Basava, Abhishek Singh, Amit Agrawal, When and Where?: Behavior Dominant Location Forecasting with Micro-Blog Streams, 2018 IEEE International Conference on Data Mining Workshops (ICDMW), Singapore, 17th-20th November 2018, pp.1178-1185, DOI:10.1109/ICDMW.2018.00169
14. Likewin Thomas, M V Manoj Kumar, Annappa, A Healthcare management using clinical decision support system, 2018 3rd International Conference on Contemporary Computing and Informatics (IC3I), 10th -12th Oct. 2018, pp. 342 - 347, 10.1109/IC3I44769.2018.9007272
15. Sanjeev K Cowlessur, B Annappa, M V Manoj Kumar, Likewin Thomas, M M Sneha, B H Puneetha, Alphabetic Cryptography:Securing Communication over Cloud Platform, Fifth International Conference on Information System Design and Intelligent Applications (INDIA 2018), Mauritius 20th-23rd, July 2018, Springer, pp.195-206
16. Sanjeev K Cowlessur, B Annappa, B, KavyaSree, Shivani Gupta, Chandana Velaga, Measuring the Influence of Moods on Stock Market Using Twitter Analysis, Fifth International Conference on Information System Design and Intelligent Applications(INDIA 2018), Mauritius 20th-23rd, July 2018, Springer, pp.315-324
17. Nagaratna B. Chittaragi, Asavari Limaye, N. T Chandana, B Annappa, Shashidhar G. Koolagudi, Automatic Text-Independent Kannada Dialect Identification System Algorithms, Fifth International Conference on Information System Design and Intelligent Applications(INDIA 2018), Mauritius 20th-23rd, July 2018, Springer, pp.79-88, Received BEST PAPER AWARD
18. B. R. Raghunath and B. Annappa, Dynamic Resource Allocation Using Fuzzy Prediction System, 2018 3rd International Conference for Convergence in Technology (I2CT), Pune, 06th -08th April 2018, pp. 1-6, doi: 10.1109/I2CT.2018.8529674
19. Manjunatha, Annappa B, Real time Big data analytics in smart city applications, IEEE International Conference on Communication, Computing and Internet of Things, 2018, Chennai, 15th - 17th February 2018
20. Deshmukh Shilpa S, Annappa B., Prediction of Crime Hot spot using Spatio-temporal Ordinary Kriging, International Conference on Integrated Intelligent Computing, Communication & Security (ICIIC-2018), 24th and 25th of January 2018, SJB Institute of Technology, Bengaluru
21. Thomas L., Manoj Kumar M.V., Annappa B., Arun S., Mubin A., Prediction of Gallstone Disease Progression Using Modified Cascade Neural Network, First International Conference on Smart System, Innovations and Computing, Smart Innovation, Systems and Technologies, vol 79. Springer, Singapore, January 2018, https://doi.org/10.1007/978-981-10-5828-8_69

22. Bhaskar Gautam, Annappa Basava, Automatic Identification and Ranking of Emergency Aids in Social Media Macro Community, Working notes of FIRE 2017 - Forum for Information Retrieval Evaluation, IISc. Bangalore, December 8th -10th , 2017, pp. 46-49
23. Himanshu Yadav, Annappa B, Adaptive GPU Resource Scheduling on Virtualized Servers in Cloud Gaming, 2017 Conference on Information and Communication Technology (CICT'17), 3rd-5th November, 2017, ABV-Indian Institute of Information Technology and Management, Gwalior
24. R. H. Nidhi ; B. Annappa, Twitter-user recommender system using tweets: A content-based approach, 2017 International Conference on Computational Intelligence in Data Science (ICCIDS), June 2017, 10.1109/ICCIDS.2017.8272631
25. Ashwin Kumar Kulkarni ; B. Annappa, Cost aware service broker algorithm for load balancing geo-distributed data centers in cloud, 2017 IEEE International Conference on Signal Processing, Informatics, Communication and Energy Systems (SPICES), 8-10 Aug. 2017, 10.1109/SPICES.2017.8091337 , Kollam, India
26. Keerthi S.Shetty and Annappa B. (2017). "Inferring Transcriptional Dynamics with Time-Dependent Reaction Rates Using Stochastic Simulation ". In 5th International Conference on Advanced Computing, Networking, and Informatics (ICACNI 2017), AISC Springer 708, Vol.2, pp.549-556, June, Goa.
27. Manoj Kumar M V, Likewin Thomas, Annappa B, Simplifying Spaghetti Processes to Find the Frequent Execution Paths, International Conference on Smart System, Innovation and Computing, April 14th -16th, 2017, Manipal University, Jaipur
28. Manoj Kumar M V, Likewin Thomas, Annappa B, Distilling Lasagna from Spaghetti Processes, International Conference on Intelligent Systems, Metaheuristics & Swarm Intelligence- ISMSI 2017, Hong Kong, Mar 25, 2017 - Mar 27, 2017
29. Bane Raman Raghunath, Annappa B, Prediction based Dynamic Resource Provisioning in Virtualized Environments, 2017 IEEE International Conference on Consumer Electronics (ICCE), 8-10th Jan 2017, Las Vegas, USA, pp.100-105, 10.1109/ICCE.2017.7889244
30. H.R. Sneha, Mohammed Rafi, M. V. Manoj Kumar, Likewin Thomas, B. Annappa, Smartphone based emotion recognition and classification, 2017 Second International Conference on Electrical, Computer and Communication Technologies (ICECCT), 22-24 February 2017, 10.1109/icecct.2017.8117872
31. Manoj Kumar M V, Likewin Thomas, Annappa, On Predicting the Frequent Execution Patterns in Information Systems, 2017 Second International Conference on Electrical, Computer and Communication Technologies (ICECCT), Coimbatore
32. Likewin Thomas, Manoj Kumar M V, Annappa An online Decision Support System for Recommending an Alternative Path of Execution, 2017 Second International Conference on Electrical, Computer and Communication Technologies (ICECCT), Coimbatore
33. Keerthi S.Shetty and Annappa B. (2016). "Efficient Sampling of Probabilistic Program for Biological Systems". In proc of ICMCB 2016: International Conference on Mathematical and Computational Biology, Vol.3, No.3, 1-5, March 2016, France.

34. Bhaskar Gautam, Vivek Jain, Sourabh Jain, B. Annappa, Profile Matching of Online Social Network with Aadhaar Unique Identification Number, 2016 IEEE International Conference on Cloud Computing in Emerging Markets (CCEM), Bangalore, 19th-21st Oct. 2016, pp.168-169, 10.1109/CCEM.2016.039
35. Mukesh Kumar Gupta; B. Annappa, Trusted partner selection in broker based cloud federation, 2016 International Conference on Next Generation Intelligent Systems (ICNGIS), 2016, pp. 1-6, 10.1109/ICNGIS.2016.7854049
36. Neha Bisht, Annappa Basava, Feature selection using Markov clustering and maximum spanning tree in high dimensional data, 2016 Ninth International Conference on Contemporary Computing (IC3), 11th-13th Aug. 2016, pp.1-6, 10.1109/IC3.2016.7880208
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6. Walter J. Savitch, Kenrick Mock, Annappa, Absolute C++, International 5th ed., Pearson, London, 2013, ISBN-13 9780273760177, 9780273769323, 97802737693545.
7. Course material for Database application development using ORACLE for the short-term programme conducted for other Engineering College Teachers.
8. Course material for ORACLE, FoxPro, Paradox, COBOL, DOS, Windows etc. for the short term training programme conducted for CORPORATION BANK OFFICERS.

SPONSORED RESEARCH PROJECTS UNDERTAKEN

1. "Knowledge Partner for Cloud Development and Architecture", Tata Consultancy Services(TCS)-iON, ₹21.68 Lakhs, 2022-24
2. Re-implementing Hyperloglog in a binary compatible SPARK, Epsilon, India, ₹3.30 Lakhs, 2022
3. Co-cordinator for ISRO-RESPOND sponsored R&D project "Customized reconfigurable platform for Image/Video compression based on deep learning algorithms for hyperspectral Image", sanctioned with the financial outlay of ₹29.35 Lakhs, 2021-2023
4. Co-cordinator for SERB-DST sponsored R&D project on "Characterization and Identification of Dialects in the Kannada Language", completed project with the financial outlay of ₹35 lakhs.
5. Coordinator for MHRD sponsored R&D project on "Design and evaluation of an object oriented verification approach for Distributed Systems", completed the project which had financial outlay of ₹12 Lakhs, 2005-09
6. Coordinator for FIST-Fund for Improvement of S&T infrastructure, DST, 70 Lakhs, 2013-18
7. Co-cordinator for VSSC-ISRO-RESPOND sponsored R&D project on "Parallel Genetic Algorithm in VLSI Testing" , completed the project which had financial outlay of ₹4.9 Lakhs, 2002-2009.

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APPROVED
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