**Dr B. JANAKIRAMAIAH**
Professor & Head
Dept. of CSE(AI&ML), CSE(Data Science)
Prasad V. Potluri Siddhartha Institute of Technology
Kanuru, Vijayawada
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## Education

**Ph.D (CSE)**: Jawaharlal Nehru Technological University, Hyderabad, 2015.

**M.Tech (CSE)**: JNTU College of Engineering, JNTUK, Kakinada, 2007, First Class with Distinction.

**B.E(CSE)**: Kavikulguru Institute of Technology and Science (KITS), Ramtek, Nagapur University, 2003, with First Class.

## Academic Experience: (21 Years)

**Professor**:

- Dept. of Computer Science and Engineering(AI&ML), Prasad V. Potluri Siddhartha Institute of Technology, Vijayawada, Andhra Pradesh, 2017- present. (University Ratified)
- Dept. of Computer Science and Engineering, DVR & Dr HS MIC College of Technology, Kachikacherla, Vijayawada, Andhra Pradesh, 2015 -2017.

**Associate Professor**:

- Dept. of Computer Science and Engineering, DVR & Dr HS MIC College of Technology, Kachikacherla, Vijayawada, Andhra Pradesh, 2012 - 2015.
- Dept. of Computer Science and Engineering, NRI Institute of Technology, Agiripalli, Andhra Pradesh, 2010 - 2012.
- Dept. of Computer Science and Engineering, DVR & Dr HS MIC College of Technology, Kachikacherla, Vijayawada, Andhra Pradesh, 2008 - 2010.

**Assistant Professor**:

- Dept. of Computer Science and Engineering, DVR & Dr HS MIC College of Technology, Kachikacherla, Vijayawada, Andhra Pradesh, 2006 - 2008.
- Dept. of Computer Science and Engineering, Sir C.R Reddy College of Engineering, Eluru, Vijayawada, Andhra Pradesh, 2004 -2006
- Dept. of Computer Science and Engineering, JSN College of Engineering & Technology,Sirpur Kagaznagar,Adilabad, 2003 - 2004.

**Fundus Received (Total amount: Rs 17,90,784/-)**

- Received an amount of Rs 13,40,784/- from AICTE to Modernization of Artificial Intelligence (AI) Lab, Sanction File Number: 9-85/IDC/MODROB/Policy-1/2019-20.

- Received an amount of Rs 3,50,000/- from AICTE to organize Faculty Development Program on Machine Learning for Engineering Applications and Trends using Python and Tensor Flow, Sanction File Number: No34-55/20/RIFD/FDP/Policy-1/2017-18.

- Received an amount of Rs 1,00,000/-(Rupees One Lakh) from DST-SERB to organize A National Level Workshop on Soft Computing Techniques for Engineering Applications, Sep-2015, Sanction Number: SERB/F/7346/2015-2016.

## LIST OF PATENTS

**Published: 3**

**[1].** B. Janakiramaiah, et al., A System And Method For Sanitizer Spraying Application, Application Number: 202041038824, Publication Number: 39/2020, Publication Date:25/09/2020, India.

**[2].** B. Janakiramaiah, et al., Speech Emotion Recognition: SPEECH EMOTION RECOGNITION USING DEEP LEARNING, Application Number:202041033146, Publication Number: 36/2020, Publication Date:04/09/2020, India.

**[3].** B. Janakiramaiah, et al., Mental And Physical Fitness Prediction Using Machine Learning Programming, Application Number: 202141009027, Publication Date:26/03/2021, India.

**Books-Editor: 3**

**[1].** Intelligent System Design, Proceedings of Intelligent System Design: INDIA 2019, Published by Springer, ISBN 978-981-15-5400-1, DOI:10.1007/978-981-15-5400-1, (**Indexed in Scopus**) https://www.springer.com/gp/book/9789811553998

**[2].** Computer Communication, Networking and Internet Security, Proceedings of IC3T 2016, Published by Springer, ISBN 978-981-10-32264,DOI:10.1007/978-981-10-3226-4, https://www.springer.com/in/book/9789811032257

**[3].** Data Engineering and Intelligent Computing, Proceedings of IC3T 2016, Published by Springer, ISBN 978-981-10-3223-3, ISBN 978-981-10-3223-3, DOI: 10.1007/978-981-10-3223-3, (**Indexed in Scopus**) https://www.springer.com/in/book/9789811032226

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## Books-Chapters: 2

**[1].** B. Janakiramaiah et al., Dementia detection using the deep convolution neural network method, TRENDS IN DEEP LEARNING METHODOLOGIES, ISBN: 978-0-12-822226-3, pp. 157-180, 2020, Published by Elsevier, https://doi.org/10.1016/B978-0-12-822226-3.00007-6, (**Indexed in Scopus**)

**[1].** B. Janakiramaiah et al., Deep learning-based detection and classification of adenocarcinoma cell nuclei, TRENDS IN DEEP LEARNING METHODOLOGIES, ISBN: 978-0-12-822226-3, pp. 241-264, 2020, Published by Elsevier, https://doi.org/10.1016/B978-0-12-822226-3.00011-8, (**Indexed in Scopus**)

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## Publications

**Indexed in SCI: 16,** Web of Science Researcher ID : U-9486-2019

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**[1].** B. Janakiramaiah, et al., Military object detection in defense using multi-level capsule networks, Soft Computing, Springer, IF=3.64, ISSN: 1433-7479, 2021, https://doi.org/10.1007/s00500-021-05912-0, (Indexed in SCI, Scopus)

**[2].** B. Janakiramaiah, et al., Intelligent System for Leaf Disease Detection using Capsule Networks for Horticulture, Journal of Intelligent & Fuzzy Systems, iospress, IF=1.851, ISSN: 1064-1246, 2021, https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs210593, (Indexed in SCI, Scopus)

**[3].** B. Janakiramaiah, et al., Diabetic Retinopathy Detection and Classification using Capsule Networks, Complex & Intelligent Systems, IF=4.927, ISSN: 2198-6053, 2021, https://doi.org/10.1007/s40747-021-00318-9, (Indexed in SCI)

**[4].** B. Janakiramaiah, et al., Hyperparameter Optimization for Transfer Learning of VGG16 for Disease Identification in Corn Leaves Using Bayesian Optimization, Big Data, , IF=2.128, ISSN: 2167-647X, 2021, https://www.liebertpub.com/doi/10.1089/big.2021.0218, (Indexed in SCI, Scopus)

**[5].** B. Janakiramaiah, et al., Efficient crowd counting model using feature pyramid network and ResNeXt, Soft Computing, Springer, IF=3.64, ISSN: 1433-7479, 2021, https://doi.org/10.1007/s00500-021-05993-x, (Indexed in SCI, Scopus)

**[6].** B. Janakiramaiah, et al., Optimizing Hyperparameters and Performance Analysis of LSTM Model in Detecting Fake News on Social media, ACM Transactions on Asian and Low-Resource Language Information Processing, IF=1.4, ISSN:2375-4699, 2022, DoI: https://doi.org/10.1145/3511897 (Indexed in SCI, Scopus).

**[7].** B. Janakiramaiah, et al., TRUST–BASED BLOCKCHAIN FOR IMPROVING SUPPLY CHAIN COMMUNICATION IN INTERNET OF VEHICLES, Wiley, IF=2.58, ISSN: 1468-0394, 2021, https://onlinelibrary.wiley.com/journal/14680394, (Indexed in SCI, Scopus), Article in Press.

**[8].** B. Janakiramaiah, et al.,  Privacy-Preserving Classification Rule Mining for Balancing Data Utility and Knowledge Privacy Using Adapted Binary Firefly Algorithm, Springer, Arabian Journal for Science and Engineering, IF=1.711, ISSN: 2191-4281, 2017. DOI https://doi.org/10.1007/s13369-017-2693-x. (**Indexed in SCI**)

**[9].** B. Janakiramaiah,  et al., Particle Swarm Intelligence and Impact Factor-Based Privacy Preserving Association Rule Mining for Balancing Data Utility and Knowledge Privacy, Springer, Arabian Journal for Science and Engineering, IF=1.711, ISSN: 2191-4281, 2017. https://doi.org/10.1007/s13369-017-2834-2, (**Indexed in SCI**)

**[10].** B. Janakiramaiah, et al., Effective Allocation of Resources and Task Scheduling in Cloud Environment using Social Group Optimization, Springer, Arabian Journal for Science and Engineering, IF=1.711, ISSN: 2191-4281, 2017. https://doi.org/10.1007/s13369-017-2926-z, (**Indexed in SCI**)

**[11].** B. Janakiramaiah, et al., Decision Tree based Data Reconstruction for Privacy Preserving Classification Rule Mining, An International journal of Computing and Informatics , vol. 40, 2017. ISSN: 0350-5596. https://publons.com/publon/21550202/, (**Indexed in SCI**)

[12]. B. Janakiramaiah, et al., Visiting Indian Hospitals Before, During and After COVID, International Journal of Uncertainty, Fuzziness and Knowledge -Based Systems, vol. 30, 2022. https://doi.org/10.1142/S0218488522400062, (Indexed in SCI )

**[13].** B. Janakiramaiah, et al., Balanced Approach for Hiding Sensitive Association Rules in Data Sharing Environment. International Journal of Information Security and Privacy (IJISP), 8(3), 39-62. doi:10.4018/IJISP.2014070103, (**Indexed in SCI**)

**[14].** B. Janakiramaiah, et al., Privacy-Preserving Association Rule Mining Using Binary TLBO for Data Sharing in Retail Business Collaboration. Proceedings of the 5th International Conference on Frontiers in Intelligent Computing: Theory and Applications. Advances in Intelligent Systems and Computing, vol 515. Springer, Singapore. https://doi.org/10.1007/978-981-10-3153-3_19, (**Indexed in SCI**)

[15]. B. Janakiramaiah, et al., Optimizing Hyperparameters and Performance Analysis of LSTM Model in Detecting Fake News on Social media, ACM Transactions on Asian and Low-Resource Language Information Processing, 2022. ISSN: 0350-5596. https://doi.org/10.1145/3511897, (Indexed in SCI)

**[16].** B. Janakiramaiah, et al., Lightweight CNN Models for Product Defect Detection with Edge Computing in the Manufacturing Industrie, Journal of Scientific and Industrial Research, ISSN: 0975-1084, (**Indexed in SCI**), Artical in Press

Indexed in Scopus: 8
ID: https://orcid.org/0000-0003-3134-0545

**[1]**. B. Janakiramaiah, et al., Preface, Advances in Intelligent Systems and Computing, Published by Springer, 2020, https://www.springer.com/gp/book/9789811553998. (**Indexed in Scopus**)

**[2].** B.Janakiramaiah, et al., Automatic alert generation in a surveillance systems for smart city environment using deep learning algorithm, Evolutionary Intelligence, Springer, ISSN:1864-5917, January-2020, https://doi.org/10.1007/s12065-020-00353-4. (**Indexed in Scopus**)

**[3].** B.Janakiramaiah, et al., Reducing Dimensionality of Data Using Autoencoders. In: Smart Intelligent Computing and Applications. Smart Innovation, Systems and Technologies, vol 160. Springer, pp 51-58, October 2019, https://doi.org/10.1007/978-981-32-9690-9_6, (**Indexed in Scopus**)

**[4].** B. Janakiramaiah, et al., An Unbiased Privacy Sustaining Approach Based on SGO for Distortion of Data Sets to Shield the Sensitive Patterns in Trading Alliances. In: Smart Intelligent Computing and Applications. Smart Innovation, Systems and Technologies, vol 105. Springer, pp 165-177, November-2018. https://doi.org/10.1007/978-981-13-1927-3_17, (**Indexed in Scopus**)

**[5].** B. Janakiramaiah, et al., Preface, Advances in Intelligent Systems and Computing, Published by Springer, 2018, https://www.springer.com/in/book/9789811032257. (**Indexed in Scopus**)

**[6].** B. Janakiramaiah, et al., Suppression of Artifacts for Mobile ICG Using, Nonlinear Adaptive Algorithms. In: Information Systems Design and Intelligent Applications. Advances in Intelligent Systems and Computing, vol 862. Springer, pp 83-91, December-2018, https://doi.org/10.1007/978-981-13-3329-3_9, (**Indexed in Scopus**)

**[7].** B.B. Janakiramaiah and etl.., Privacy preserving association rule mining by concept of impact factor using item lattice, WSEAS TRANSACTIONS on COMPUTERS, vo13, pp. 567-581, 2014. EISSN: 2224-2872. (**Indexed in Scopus**)

**[8].** B. Janakiramaiah, Privacy Preserving in Association Rule Mining by Data Distortion Using PSO. In: ICT and Critical Infrastructure: Proceedings of the 48th Annual Convention of Computer Society of India- Vol II. Advances in Intelligent Systems and Computing, vol 249. Springer pp 551-558, https://doi.org/10.1007/978-3-319-03095-1_59, (**Indexed in Scopus**)

**List of Invited Talks/ Guest Lectures / Seminars**

**[1]**. Delivered a talk  on Detecting COVID- 19 from X-Ray using Machine Leaming, in the One-week Online Faculty Development Programme on "Emerging trends in the Applications of Machine Learning and Artificial Intelligence- (ETAAM-2021)" organized by Department of Information Technology at GMR Institute of Technology, Rajam, Andhra Pradesh, India; held on 22-06-2021.

**[2].** Delivered a talk  on Competitive Coding,  Department of Computer Science and Information Technology at Chalapathi Institute of Engineering and Technology, Guntur, 17-July-2021.

**[3].** Delivered a talk  on Engineering Aspects of Data Science, AICTE-ATAL Academy online FDP on Data Sciences, College of Engineering(A)-JNTUK, 06-Oct-2020.

**[4].** Delivered a talk  on Engineering Aspects of Data Science, AICTE-ATAL Academy online FDP on Data Sciences, College of Engineering(A)-JNTUK, 06-Oct-2020.

**[5].** Delivered a talk  on Bursting the Jargon bubbles-Data Science, AICTE-ATAL Academy online FDP on Data Sciences, College of Engineering(A)-JNTUK, 09-Oct-2020.

**[6].** Delivered a talk on Introduction to Machine learning, Two Week AICTE Sponsored FDP on Machine Learning in Engineering Applications, Prasad V. Potluri Siddhartha Institute of Technology, Vijayawada, 22-Nov-2019.

**[7].** Delivered a Guest Lecture on Artificial Intelligence, Chalapathi Institute of Engineering and Technology, Guntur, 7-Feb-2019.

**[8].** Delivered a guest lecture on 'How to Write a Good Research Paper and Get it Accepted by Reputed Journals', Gudlavalleru Engineering College, November 23, 2018.

**[9].** Delivered a guest lecture on Machine Learning Techniques at A.M Reddy Memorial College of Engineering and Technology, Narasaraopet, 2017.

**[10].** Delivered a guest lecture on Soft Computing Techniques at YITS, Tirupathi, 2016.

**[11].** Delivered a guest lecture on Data Mining Concepts and Techniques at Gudlavalleru Engineering College, Gudlavalleru, 2015.

**[12].** Delivered a guest lecture on Machine Learning Techniques, at YITS, Tirupathi, 2015.

**Professional Activities**
**Editor:**
- **Frontiers Public Health (IF=3.7, Indexing by SCI, Scopus)**
    - Emerging Challenges for Deep Learning in Dealing with Biomedical and Healthcare Data
    - Various-Scale Identification of Cognitive Impairments and Emotional Disorders

**Reviewer**:   **Indexed in SCI**

- Knowledge and Information Systems (KAIS) journal published by Springer.

- International Journal of Knowledge Engineering and Data Mining published by Elsevier.

- Future Generation Computer Systems, Published by Elsevier.

- Arabian Journal for Science and Engineering, Published by Springer

- Complex & Intelligent Systems, Published by Springer

- Multimedia Tools and Applications, Published by Springer

- Microprocessors and Microsystems, Published by Elsevier

- Expert Systems, Published by John Wiley & Sons Ltd

## Indexed in Scopus

- Evolutionary Intelligence, Published by Springer.

- Journal of Ambient Intelligence and Humanized Computing Published by Springer.

- International Journal of Knowledge-Based and Intelligent Engineering Systems.

- International Journal of Business Intelligence and Data Mining

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## Certification Courses:

### Coursera:

**[1].** Data Structures, University of California San Diego and National Research University Higher School of Economics and offered through Coursera, 25/05/2020, Certificate ID: PVNWK8ZUJRWG.

**[2].** Algorithms on Graphs, authorized by University of California San Diego and National Research University Higher School of Economics and offered through, Coursera, 14/06/2020, Certificate ID: N5827DGYQQ9A

**[3].** Algorithmic Toolbox, University of California San Diego and National Research University Higher School of Economics and offered through Coursera, 16/05/2020, Certificate ID: SZCP8KDVTMK6

**[4].** AI For Everyone, deeplearning.ai and offered through Coursera, 24/04/2020, Certificate ID: T9J37RGZXWEQ

**[5].** Neural Networks and Deep Learning, deeplearning.ai and offered through Coursera, 15/05/2020, Certificate ID: V5NP43UR6AEK

**[6].** Advanced Algorithms and Complexity, University of California San Diego and National Research University Higher School of Economics and offered through Coursera, 30/07/2020, Certificate ID: ZZNFKMZJN9W5

**NPTEL:**

**[7].** Introduction to Machine Learning, 8 Week Course, Aug-2018, ID:NPTEL18CS40S12160121.

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### AREAS OF INTERESTS/SPECIALIZATIONS
- Artificial Intelligence
- Machine Learning
- Deep Learning
- Data Mining
- Data Science
- Soft Computing
- Data Structures & Algorithms

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### Professional Bodies Membership
- Computer Society of India (CSI), Life Member(l1503174)
- Soft Computing Research Society (SCRS), Life Member(2018-05-04-598)
- Indian Society of Systems for Science & Engineering (ISSE), Life Member(LM03539)

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### Conferences Organized

- Organized an International Conference on Smart Computing & Informatics(SCI-2018),Published by Springer, 2018.
- Organized an International Conference on Computer and Communication Technologies(IC3T-2016),Published by Springer, 2016.

**Subjects Taught**
- Problem Solving
- Programming C
- Object Oriented Programming through C++/ Java
- Operating Systems
- Computer Organization
- Data Structures
- Data Warehousing & Data Mining
- Theory of Computation
- Compiler Design
- Web Technology
- Unix Programming
- Principles of Programming Language
- Machine Learning
- Deep Learning

**Awards & Honors**
- Best Teacher Award -2014 (DVR Dr HS MIC College of Technology)
- Best University Teacher Award-2010 (JNTUk-Kakinada)
- Pentagram Research Center 2010 Best Paper Award

**Personal Details**
- Name:  B. Janakiramaiah
- Father Name:  B. Satyanarayana
- Date  of Birth: 05-July-1979
- Marital Status:  Married
- Languages  Known: English, Hindi, Telugu

Date:  05-07-2022
Place:  Vijayawada

**(Dr B. Janakiramaiah)**