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Dr.B.Dwarakanath M.Tech., PhD is working as an Assistant Professor in the Department of IT at SRMIST, Ramapuram, Chennai. He graduated in Computer Science & Engineering from Bangalore University, Bangalore, Karnataka, India. He has done his M.Tech (CSE) from Vellore Institute of Technology, Vellore, India in the year 2004. He has completed Ph.D, in field of Machine Learning - Information Technology in 2019 from Hindustan Institute of Technology and Science, Chennai, India. He has 20 years of teaching experience. He has published 30 papers in International Journals and Conferences.

Areas of Research:

Machine Learning, Data Mining & Image Processing.

Selected Publications:

Web of Science/SCI

1. B. Dwarakanath, Dr. Gitanjali Shrivastava, Dr. Rohit Bansal, Praful Nandankar, Dr. Veera Talukdar, M Ahmer Usmani, Explainable Machine Learning Techniques in Medical Image Analysis Based on Classification with Feature Extraction, International Journal of Communication Networks and Information Security, Volume 14, Issue 03, Year 2022. Page 342:357. ISSN: 2073-607X, 2076-0930.

2. Dwarakanath B., Latha M., Annamalai R. , Jagadish S. Kallimani, Ranjan Walia, and Birhanu Belete, A Novel Feature Selection with Hybrid Deep Learning Based Heart Disease Detection and Classification in the e-Healthcare Environment, Computational Intelligence and Neuroscience, Volume 2022, Article ID 1167494, https://doi.org/10.1155/2022/1167494

3. M. Thilagaraj,B. Dwarakanath,V. Pandimurugan,P. Naveen\, M. S. Hema, Novel Intelligent Hybrid Optimized Analytics and Streaming Engine for Medical Big Data, Computational and Mathematical Methods in Medicine, Volume 2022, Article ID 7120983, March 2022., ISSN 1748-6718 (Online).

4. M.Thilagaraj,B. Dwarakanath,S. Ramkumar,K. Karthikeyan,A. Prabhu,Gurusamy Saravanakumar, M. Pallikonda Rajasekaran, NArunkumar, Eye Movement Signal Classification for Developing Human-Computer Interface Using Electrooculogram, Journal of Healthcare Engineering, Volume 2021,ArticleID7901310, December 2021. ISSN: 2040-2309 (Online).

5. V.R. Nivedita, D Usha, P.S. Rajkumar, B Dwarakanath, Magesh S, Emerging 5G IoT Smart System based on edge to Cloud Computing Platform, International Journal of e-Collaboration (IJeC), Volume 17, Issue 4, Article 10,2020.ISSN: 1548-3673. Sujitha Sunder Singh, Dr.B. Dwarakanath, S. Santhoshini, Jasmine Mary, Twitter Sentimental Analysis, Jour of Adv Research in Dynamical & Control Systems, Vol. 12, 05-Special Issue, 2020.

6. B. Dwarakanath, S.K. Surya, A.R. Nandu Krishna, P. Lava Kumar, Emotion Detection Using Facial Landmarks, Jour of Adv Research in Dynamical & Control Systems, Vol. 11, 06- Special Issue, 2019, ISSN 1943-023X.

Patents:

1. 202241051223 A - Artificial intelligence based data traffic analysis in IOT wireless sensor network nodes on 16.09.2022

2. 202241001884 - Adaptive fusion of kinematics information and image information using robot tool on 28.01.2022.

3. 2021100156 - Artificial Intelligent System for Predicting the Hard Disk Failure on 24.03.2021.

4. 202141000112 A - Improving Low cost Virus Free Air Circulator for personal protective equipment for the hospital staff in the covid-19 wards on 22.01.2021.

Books/Book Chapters Published:

1. Cryptography and Network Security by Good Writer Publishers ISBN 978-93-5749-920-0

2. Fundamentals of Data Science by Notion Press Media Pvt. Ltd., ISBN: 9798885915717

3. Artificial Intelligence: A Modern Approach by Notion Press Media Pvt. Ltd., ISBN:9798885300438

Professional Bodies:

Member – ACM, IAENG, ISTE

Google Scholar:

https://scholar.google.com/citations?view_op=list_works&hl=en&hl=en&user=G8vSAtIAAAAJ

LinkedIn:

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