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Dr.D.Deva Hema is working as Assistant Professor in the Department of CSE at SRMIST, Ramapuram campus. She holds a Ph.D degree in the field of Computer Science and Engineering from Sathyabama Institute of Science and Technology since March, 2023. She has 14.6 years of teaching experience with good programming and data analytics skills. She has completed many certified courses from Coursera, NPTEL Udemy and Cisco. She has published articles in National and International Journals, Conferences and Symposiums. She has reviewed many textbooks, journal and manuscripts. She has registered patents on Artificial Intelligence and Internet of Things applications.

Area of Research:

Data Science and Data Analytics, Deep Learning, Computer Vision

Publications:

- D.Deva Hema, Dr.K.Ashok Kumar (2022), “An Optimized Intelligent Driver’s Aggressive behavior prediction model using GA-LSTM, International Journal of Performability Engineering, ISSN No: 09731318, Volume 17, Issue 10,Page no: 880-888,DOI: 10.23940/ijpe.21.10.p6.880888
- D.Deva Hema, Dr.K.Ashok Kumar(2022), “Levenberg–Marquardt –LSTM based Efficient Rear-end Crash Risk Prediction System Optimization”,International Journal of Intelligent Transportation Systems Research,ISSN No: 18688659 Volume 20, page no:132–141 ,DOI:<https://doi.org/10.1007/s13177-021-00273-2>
- D.Deva Hema, Dr.K.Ashok Kumar(2022), “Novel algorithm for multivariate time series crash risk prediction using CNN-ATT-LSTM model”,Journal of Intelligent & Fuzzy Systems,ISSN No: 1064-1246,ISSN No: 1064-1246 Volume 43, Issue 4,Page No:4201-4213 ,DOI:10.3233/JIFS-211775
- D.Deva Hema, Dr.K.Ashok Kumar(2022), “Optimized Deep Neural Network Based Intelligent Decision Support System for Trafic State Prediction”,International Journal of Intelligent Transportation Systems Research,

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- K.Saranya, D.Deva Hema (2014), “Key Management scheme for secure multicast group communication in wireless network”, International Journal of Emerging Technology and Research ,ISSN No: 2347-5900,Volume1, Issue 4.
- D.Deva Hema, R.Angeline(2014),“Frequency of buses determination model and bus schedule in Chennai metro transport for ITS based system”, International Journal of Emerging Technology and Advanced Engineering ,ISSN No: 2250-2459, Volume 4,Issue 11.
- S. Sridevi, D.Deva Hema (2015) ,“Product Aspect Ranking using sentimental classification Algorithm”,International Journal of Applied Research, ISSN No: 0973-4562,volume10,issue28
- N.Indhumathi,D.Deva Hema(2015) ,“Spontaneous Wireless ADHOC Network Creation, To Enhance Authentication based on self configure secure protocol” ,International Journal for Research in Applied Science & Engineering Technology , ISSN No: 2321-9653, volume 3, issue4.
- R.Angeline, J. Caroline El Fiorenza, D.Deva Hema, (2016) ,“An analysis and security issues and challenges in cloud computing ” , International Journal of Advanced Research Trends in Engineering and Technology, ISSN No: 2394-3785 volume 3, special issue 2.
- Mrs.D.Deva Hema, Karan Saxena, Saurabh Satpute, Aditya Gupta (2016) ,“Application of association rule hiding on privacy preserving data mining, International Journal of Engineering and Technical Research, ISSN: 2321-0869 ,volume4, issue4, April 2016.
- S.Samunder Ahmed, M.Srivathsan, Dhanish Kumar, M.Karthikeyan,D.Deva Hema (2017), “Traffic Light Control System” International Journal of Modern Trends in Engineering and Science, ISSN No: 2348-3121,volume4, issue10.
- Deva Hema, Pavan Kumar K , M Harish Devarayal , G Bharath , N Sai Harish (2018) “Object Detection using image processing with LTP features”, International Journal of Emerging Technologies in Engineering Research ,ISSN No: 2454-6410 volume6, issue4.

- Devahema , P.V. Sai Surya Vamsi , Archit Garg , Abhinav Anand , Desu Rajasekhar Gupta (2018) , “IOT based air pollution monitoring system”,, Journal of Network Communications and Emerging Technologies, ISSN No: 2395-5317, volume8, issue4.
- S.Adithya, N.Dinesh Reddy,Y.Srinath,D.Deva Hema,(2018), “Food Detector Using Arduino”, International Journal Of Advance Research And Innovative Ideas In Education , ISSN No:2395- 4396, Volume2, issue 4.
- Sameer Deshpande , Anamika Majumdar , Atul Kumar Sahu , Vandita Gainedi , Deva Hema (2018), “Smart Bell Notification System”, Journal of Network Communications and Emerging Technologies, ISSN No: 2395-5317, volume8, issue4, April 2018
- Kushal Agarwalla, Shubham Nandan, Varun Anil Nair, D. Deva Hema (2019), “Fake News Detection using Machine Learning and Natural Language Processing”, International Journal of Recent Technology and Engineering , ISSN No : 2277-3878, volume 7, issue6.
- D.Deva Hema, Aratrika Roy, Kurnal Pratap Singh, Subhika Jha (2019), “Machine Learning Approach to Driver’s Identification” International Journal of Science and Innovative Engineering & Technology, ISSN: 2319-5967Volume 3.
- D. Deva Hema, Vikrant, Anish Joshi, Vishnu Sharma(2019), “Prediction Of Progeria Using Support Vector Machine” ,IJESC , ISSN No: 2321 3361, volume 9, issue 10.
- D. Deva Hema, Sougata Dey, Krishabh, Anubhav Saha (2019), “ Mulberry Leaf Disease Detection using Deep Learning”, International Journal of Engineering and Advanced Technology, ISSN No: 2249 – 8958, volume 9, issue 1 .
- D. Deva Hema, Anirban Pal, Vineet Loyer, Rajeev Gaurav (2019),“ Global Warming Prediction in India using Machine Learning” International Journal of Engineering and Advanced Technology,ISSN No: 2249 – 8958, volume 9, Issue 1.
- D. Deva Hema, S. Nandhini, S. VisnuDharsini, and J. ShivaNandhini(2019), “Intelligent Speed Control in Motor Bikes for Accident Prevention Using Internet of Things”, Journal of Computational and Theoretical Nanoscience, ISSN No: 1546-1963,Volume 16,Page no:1-5, DOI:doi:10.1166/jctn.2019.8408.

- D. Deva Hema, Debargha Roy, Rohit Roy, Arpit Argrawal, Mayukh Biswas (2018), “Robot For Painting And Designing Of Interior Walls”, International Journal of Advance Engineering and Research Development ,ISSN : 2348-4470 , Volume 5, Issue 11.
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- Deva Hema D, J. Tharun, G. Arun Dev, and N. Sateesh (2020) ,”A Robust False Spam Review Detection Using Deep LSTM Based Recurrent Neural Network “, Journal of Computational and Theoretical Nanoscience, ISSN No: Volume 17, Page No:1-6.
- Deva Hema D, S. M. K. Shyaam, M. Karthikeyan, V. S. Vishal, and G. Pushpak (2020) ,”Object Detection for Blind People Using Faster Region-based Convolutional Neural Networks “, Journal of Computational and Theoretical Nanoscience, ISSN No: Volume 17, Page No:1-5.
- D. DevaHema, P. Vikas, M. Balaji, D. Adinarayana Reddy(2021),”Efficient and accurate stock price prediction using LM-LSTM hybrid model”, Journal of Huazhong University of Science and Technology , ISSN-1671-4512 ,Volume 50, Issue 4.
- D.Deva Hema, Prateek Kumar Singh, Himanshu Bafila, Aman Kumar (2021),”An Efficient Weed Detection Using AdaBoost and CNN Hybrid Model”, Adalya Journal, ISSN No: 1301-2746, Volume 10, Issue 5, DOI:<https://doi.org/10.37896/aj10.5/008>
- D.Deva Hema (2021),”Road Accident Analysis in Kerala and Location Based Severity Level Classification Using Decision Tree Algorithm”, Paideuma Journal, ISSN No : 0090-5674, Volume 14, Issue 1, <http://www.paideumajournal.com>.
- D.Deva Hema, SkShahid Ali, Arnab Rooj, TanayYeole (2021),”An Unique & Accurate Object Detection based on Density Maps on Spectral Analysis Object using Sobel and Robert Edge Detection Algorithm ”, Adalya Journal, ISSN No: 1301-2746, Volume 10, Issue 5, DOI:<https://doi.org/10.37896/aj10.5/009>

- D. DevaHema, P. Vikas, M. Balaji, D. Adinarayana Reddy(2021),”A Unified, Scalable approach for detecting crack in the pavement using CNN and LSTM hybrid model”, Journal of Huazhong University of Science and Technology , ISSN-1671-4512 ,Volume 50 ,Issue 4.

Patents:

- Published an Indian Patent titled “ Smart women self-defense system using IOT based device” on 3/6/22,Application Number:202241025471A

Books Published:

- Published Web Technology in charulatha publications, ISBN:13:978-9355770738

Book Chapter Published:

- D.Deva Hema, Agnes Faustina, E.Aravindhan published book chapter titled “Adapting Multi-Temporal Information for Optimized Ship Detection From SAR Image Dataset Using Transfer Learning Application” DOI: 10.4018/978-1-6684-6060-3.ch021
- D.Deva Hema, Dr.K.Ashok Kumar published book chapter titled “Study Of Predictive Modeling Techniques For Covid-19 And Development Of Intelligent Covid-19 Prediction Framework” in Red Shine Publications,Volume 1.
- D.Deva Hema, T.Rajeeth Jaison published book chapter titled “Intelligent Decision-Making Models For Fake News Detection” in Multidisciplinary Subjects For Research” in Red Shine Publications, Volume1.

Professional Bodies:

- Member of Indian Science Congress Association, Kolkata, India.
- Member of the “International Association of Engineering & Technology for skill Development”, since 22/9/2014

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