

Faculty Profile



Mrs. S. V. Evangelin Sonia, M.E., (Ph.D)

Assistant Professor,

Department of Computer Science and Engineering

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Academic Background

| Degree | University | Year |
|--------|-----------------|----------|
| Ph.D | Anna University | Pursuing |
| M.E | Anna University | 2011 |
| B.E | Anna University | 2009 |

Courses Taught

- Operating Systems
- Artificial Intelligence
- Machine Learning
- Data Science and Analytics
- Computational Thinking and Problem Solving
- Front End Technologies

Research Interests

- Machine Learning
- Computer Vision
- Deep Learning
- Artificial Intelligence

Most recent Publications

- S.V.Evangelin Sonia, Shruthishree, "A smart IOT system for monitoring and controlling the solar panels" in Journal of Huazhong University of Science and Technology, June 2021
- S.V.Eangelin Sonia, Abarna I.K,"Iot Based Harmful Gas Monitoring, Detection And Warning System For Petrochemical Plants" in Journal of Huazhong University of Science and Technology, June 2021
- S.V.Evangelin Sonia, Devika .V Menon, "Smart Child Rescue System from Open Borewell" in Journal of Information and Computational Science, April 2021.
- S.V.Evangelin Sonia, R.Nandhini,"Machine Learning Approach For Retinopathy Detection Using Retinal Images" in Journal of Information and Computational Science, April 2021.
- S.V.Evangelin Sonia, R. Prasanth," Intelligent Frame Work to Predict Autism in Infants using Machine Learning" in International Journal of Recent Technology and Engineering,May 2020.
- S.V.Evangelin Sonia, S.Sharanya, "Early Detection of Sepsis using Machine Learning" in International Journal of Recent Technology and Engineering, May 2020.
- S.V.Evangelin Sonia, Dhivyashree, "Patient Health Monitoring System At Home Using Iot And Wifi", in Journal of Information and Computational Science, May 2020
- S.V.Evangelin Sonia, S.Sindhuja, "Methods for the Prediction of Cardio Vascular Diseases in Diabetes patients using Machine Learning Techniques", International Journal Of Scientific Research And Reviews, Mar 2019.
- S.V.Evangelin Sonia, M.Abhimanyurajesh, "Furniture Shopping Based On Augmented Reality", in International Journal of Scientific Research and Review, May 2019.
- S.V.Evangelin Sonia, D.Sathiya, "A Comparative Study of Supervised Machine Learning Algorithm" in International Journal of Computer Sciences and Engineering,Dec 2018.
- S.V.Evangelin Sonia,R.Nandhini, "Detecting Sql Injection Attack In Multitier Web Applications", in Nternational Journal Of Research And Analytical Reviews,Dec 2018
- S.V.Evangelin Sonia, Infantine Ruth Monita.M, "Securing Data under Key Exposure",IJSART,Mar 2018.
- S.V.Evangelin Sonia, Priyanka .V, "A Real Time Android Based Face Recognition System For Time And Attendance Management In Corporates" ,in International Journal for science And Advance Research in Technology, Mar 2018.
- S.V.Evangelin Sonia,S.Dhivya," A Study On STMRP And MMR-LA Multicast Routing Protocols In Mobile Ad Hoc Networks ",International Journal of Engineering Development and Research, May 2017.

Conferences

- "Privacy Enabled Duplication Free Cloud Environment With Protective Crypto Services", International Conference on Computer Communication and Informatics, published in IEEE Explore 2020.

Book Chapters

- S.V.Evangelin Sonia, S.Dhivya, “Blockchain Databases (Chapter 3)”, in "Blockchain, Big Data and Machine Learning Trends and Applications”, Taylor and Francis, Scopus Indexed.

Projects Guided

- Smart Parking system using AI
- Facial Emotion System using AI
- Diabetes Prediction using Machine Learning
- Glaucoma Detection using Machine Learning
- Early prediction of Sepsis using Machine Learning Algorithms
- Autism Detection in Toddlers using Machine Learning
- Android Based Face Recognition System For Time And Attendance Management In Corporates
- Smart IOT system for monitoring and controlling the solar panels
- IoT Based Harmful Gas Monitoring, Detection And Warning System For Petrochemical Plants
- Patient Health Monitoring System At Home Using IoT And Wifi
- Smart Child Rescue System from Open Borewell

Memberships in Professional societies

- IEI

Significant achievements:

- Scored Elite grade in NPTEL Data mining certification
- Contributed Reviewer of papers for IBSSC-2021 organized by IEEE Bombay section and ABV-Gwalior, India. (18-20 November 2021)