




Faculty Profile

Name :	Dr.C.Chellaswamy			
Date of Birth :	30-06-1972			
Highest Qualification:	PhD			
Date of Joining :	01-12-2021			
Designation :	Professor			
Date of promotion (Present Designation):	05-01-2022			
Area of Interest :	Solar and wind energy sources and systems, Embedded system design, Signal processing, Remote monitoring and control, Optimization techniques, IoT based system design.			
Mobile No :	8778348550	Email ID	drchellaswamy@gmail.com	
Experience :	Teaching: 26	Industry :	2.5	Research: 10
Address (for Communication) :	No.15, Kallukudi, Annaz Apartment, Samayapuram, Tiruchirappalli. 621105			

Association with Professional Bodies

Name (Professional Body)	Institute of Engineers (India)	Indian Society for Technical Education (ISTE)	International Association of Engineers (IAENG)
Type of Membership	Fellow	Life member	Life Member

Research

Ph.D Guidance					
Supervisor/ Guideship No. :	4040060	University:	Anna University	No. of Scholars :	2
Publication					
International Journals :	37	National Journals :	5		
International Conference :	29	National Conference :	4		
Project Grants (Research projects guided or undertaken/Sponsored Projects)					
Received(Amount) :		Applied (Amount) :	37,75,000		
Patent					
Published :	2				

Books

Published :	5
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FDPs /STTPs /Workshops /Seminars etc.,

FDP		STTP		Workshop		Seminar		Others	
Attended:	18	Attended:	12	Attended:	5	Attended:	12	Attended:	
Organized:	5	Organized:	7	Organized:	1	Organized:	3	Organized:	

Online courses (NPTEL, MOOC etc.)	5
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***List of Publications :**

1. **C. Chellaswamy**, C.S. Rao, T.S. Geetha. "Performance study of crowd flow in academic buildings of an institution", CCF Trans. Pervasive Comp. Interact. 2023. <https://doi.org/10.1007/s42486-023-00134-9> (**SCI Indexed, Impact Factor: 2.1**)
2. R Ganesh Babu, **C. Chellaswamy**, T S Geetha, "Actor-critic learning-based adaptive fuzzy controller for stepper motor", 2023. <https://doi.org/10.1177/01423312231156970> (**SCI Indexed, Impact Factor: 1.8**)
3. **Chellaswamy C**, Geetha T S, Hariharan K, Dhelipan Raj A, Archana K and Babitharani S, "Deep Learning-Based Braille Technology for Visual and Hearing Impaired People," 2023 International Conference on Smart Systems for applications in Electrical Sciences (ICSSES), 2023, pp. 1-8, **DOI:** 10.1109/ICSSES58299.2023.10199935. (**Scopus Indexed**)
4. **Chellaswamy C**, Geetha T. S, R. B, D. R. A, D. S and K. K, "Smart River Water Quality and Level Monitoring: a Hybrid Neural Network Approach," 2023 International Conference on Advances in Intelligent Computing and Applications (AICAPS), Kochi, India, 2023, pp. 1-6, **DOI:** 10.1109/AICAPS57044.2023.10074495. (**Scopus Indexed**)
5. **C. Chellaswamy**, T. S. Geetha, P. Thiruvallar Selvan, A. Arunkumar, "6-phase DFIG for wind energy conversion system: A hybrid approach", Sustainable Energy Technologies and Assessments, 53, Part B, 2022, 102497, (**SCI Indexed, Impact Factor: 7.5**) <https://doi.org/10.1016/j.seta.2022.102497>.
6. T. S. Geetha, V. Amudha, **C. Chellaswamy**, "A Novel Dynamic Capacity Expansion Framework Includes Renewable Energy Sources for an Electric Vehicle Charging Station", International Transactions on Electrical Energy Systems, 2022, Article ID 4813750. (**SCI Indexed, Impact Factor: 3.5**) <https://doi.org/10.1155/2022/4813750>
7. R. Ganesh Babu, C. Chellaswamy, T. S. Geetha, R. Ramesh, "Fibre optic sensor based multi-gas detection using optimized convolutional neural network", Journal of Modern Optics, 403-417, 2022, (**SCI Indexed, Impact Factor: 1.3**) <https://doi.org/10.1080/09500340.2022.2041753>
8. A.S. Monikandan, **C. Chellaswamy**, T. S Geetha, S. S. Sivaraju, "Optimized Convolutional Neural Network-Based Capacity Expansion Framework for Electric Vehicle Charging Station", International Transactions on Electrical Energy Systems, 2022, Article ID 2915910. (**SCI Indexed, Impact Factor: 3.5**) <https://doi.org/10.1155/2022/2915910>
9. B. R Ganesh, C. Chellaswamy, "Different stages of disease detection in squash plant based on machine learning", Journal of Biosciences 47 (1), 2022. (**SCI Indexed, Impact Factor: 2.9**)
10. C Subba Rao, T S Geetha, **C Chellaswamy**, S Arul, "Optimized convolutional neural network-based multigas detection using fiber optic sensor", Optical Engineering 60 (12), 127108-127108, 2021. (**SCI Indexed, Impact Factor: 1.3**)
11. **Chellaswamy C**, Geetha T. S, Ramasubramanian B, Abirami R, Archana B and Divya Bharathi A, "Optimized Convolutional Neural Network based Multiple Eye Disease Detection and Information Sharing System," 2022 6th International Conference on Intelligent Computing and Control Systems (ICICCS), Madurai, India, 2022, pp. 1105-1113, **DOI:** 10.1109/ICICCS53718.2022.9788334. (**Scopus Indexed**)