Name:	Dr. K. SRI DHIVYA KRISHNAN
Designation:	Associate Professor
Qualification:	B.E., M.E., Ph.D
Area of specialization:	Machine Learning & Embedded Systems

Experience : (As on December 2022)	Industrial Experience	Teaching Experience
	--	1Year 5 Months

Number of workshop / FDP organized:	Workshops	FDPs	Conferences
	3	-	1

Number of workshop / FDP attended:	12	14	8

Publications:	Conference		Journal	
	National	International	National	International
	-	5	-	6

Professional Body Membership:	• Annual member, Institute of Electrical and Electronics Engineers (IEEE)- IEEE computational Intelligence Society, Engineering in Medicine and Biology Society (EMBS), IEEE Transportation System
Reviewer in Journals	• Journal of Intelligent & Fuzzy Systems, IOS Press • Asian Journal of Environment & Ecology

FDP / WORKSHOP / CONFERENCE:

S.NO	*FDP Attended*
1.	ICT Academy organized 5 Days FDP on "Microsoft Power BI Data Analyst Associate" at SRM Institute of Science and Technology from 09.09.2024 to 13.09.2024.
2.	AICTE Organised 5 days Face- Face UHV-II FDP at Sri Sairam Engineering College from 23rd to 27th January 2024

3.	Edunet foundation and AICTE organized 5 days online FDP on "Building advanced data analytics applications with cloud" under Nextgen employability program, 2023
4.	ICT Academy organized oneweek online FDP on "Tensorflow for machine learning" 2023
5.	ICT Academy organized 3 day FDP on "Celonis process mining using execution management system" at Sri Sairam Engineering College, 2023
6.	ISRO and IIRS organized one week online FDP on "Applications of Machine learning in Urban Studies", 2023
7.	Participated in 5 days FDP on Cloud Practitioner (AWS) conducted by ICT Academy from 19 June to 23 June 2023 at S.A college of Arts and Science, Chennai
8.	Participated in 3 days FDP on Deep Learning Toolkits and their diverse uses Organized by Sri Sairam Enginreering College, Chennai with LTI Mindtree, Chennai from 5/07/2023 to 07/07/2023
9.	Participated in 3 days FDP on Deep Learning Toolkits and their diverse uses Organized by Sri Sairam Enginreering College, Chennai with LTI Mindtree, Chennai from 5/07/2023 to 07/07/2023
10.	Participated in 3 days FDP on Deep Learning Toolkits and their diverse uses Organized by Sri Sairam Enginreering College, Chennai with LTI Mindtree, Chennai from 5/07/2023 to 07/07/2023
11.	Participated in the online course on "Applications of Machine learning in Urban Studies" conducted by Indian Institute of Remote Sensing, Dehradun from 05-06-2023 to 09-06-2023.
12.	Tamil Nadu Government organized Naan Mudhalvan One Week FDP on "Block Chain Development" conducted by NSE Academy in CEG campus of Anna University, 2023
13.	AICTE sponsored 2 weeks FDP on "Advances in Power Electronics for Smart Grid, Renewable Energy Systems, and Electric Vehicle Technology" organized by the department of ECE at Agni College of Technology, 2020.
14.	TEQIP sponsored a one week FDP titled "Embedded System Design using MSP 430", Department of ECE, Government College of Technology, Coimbatore, 2016.
S. No	***Workshop Attended***
1.	3-days Workshop on "UHV-ISelf Funded offline workshop - "AICTE Incorporating Universal Human Values in Education (An AICTE Initiative)" organized by AICTE at Sri Sairam Engineering College, Chennai from 10/07/2023 to 12/07/2023

2.	Workshop on "Hands on training in Programming Embedded System" at Department of Electronics Engineering, Madras Institute of Technology, 2018
3.	Workshop on "Intellectual Property Rights 2018 (IPR'18)" at Centre for Intellectual Property Rights (CIPR), Anna University, Chennai, 2018
4.	Workshop on "Fundamentals and research challenges on 6LoWPAN" at Department of Electronics Engineering, Madras Institute of Technology, 2017
5.	Workshop on "Multi-core Architecture and VLSI Design - Trends, Future and Challenges" at Department of Electronics Engineering, Madras Institute of Technology, 2017
6.	Workshop on "Water Resources System Modeling" at Centre for Water Resources, Anna University, Chennai, 2017
7.	Workshop on "Reservoir Sedimentation: Trends and Techniques of Measurement and Analysis" at Centre for Water Resources, Anna University, Chennai, 2017
8.	Workshop on "Embedded SoC design" at Department of Electronics Engineering, Madras Institute of Technology, 2016
9.	Workshop on "Internet of things" at Department of Electronics Engineering, Madras Institute of Technology, 2016
10.	Workshop on "Designing of Embedded System using AVR microcontroller" at Department of Electrical Engineering, Knowledge Institute of Technology, 2015.
11.	Workshop on "Embedded System Design (FPGA)" at Department of Electronics Engineering, Madras Institute of Technology, 2014
12.	Workshop on "Overview of an MATLAB" at Department of ECE, M P Nachimuthu Jaganathan Engineering College, 2012
	Workshop Organized
1.	Workshop on Fundamentals and research challenges on 6LoWPAN Department of Electronics Engineering, Madras Institute of Technology, 2017
2.	Workshop on "Modeling and Simulation of Circuit Using OrCAD in PCB Design Applications" at Knowledge Institute of Technology, 2014
3.	Workshop on "Emerging trends in Embedded System and its application" at Knowledge Institute of Technology, 2013
	Seminars Attended

1	Attended Two days national level seminar on IoT for Automation at MIT Campus, Anna University, Chennai 44, 2019.
2	Attended seminar on "Embedded System Design" at Bannari Amman Institute of Technology, 2014.
3	Attended seminar on "Steps to research" organized by ISTE in association with IST Kerala section and CSI Cochin centre, 2014.
	International National Conference Participated
1.	Participated in the two day International Conference on "Concerns and Threats of Microbial contamination in aquatic ecosystems: Sustainable restoration techniques (ICSRT'23)" organized by CES, Anna University, Chennai during 5th and 6th May, 2023.
	NPTEL Certifications
1.	Certified the NPTEL course of Fundamentals of Machine learning by Prof. Sudeshna Sarkar | IIT Kharagpur
2.	Certified The NPTEL course of Introduction to Java Programming by Prof. Dr. Debasis Samanta, IIT Kharagpur
3.	Certified The NPTEL course of TheJoy of Computing using Python by Sudarshan Iyengar IIT Ropar
4.	Certified The NPTEL course of Deep Learning by Prof.Prabir Kumar Biswas IIT kharagpur
5.	Certified The NPTEL course of Python for data science by Prof. Ragunathan Rengasamy | IIT Madras
6.	NPTEL Mentor certificates for the course of Deep Learning | IIT kharagpur and Design & Implementation of Human-Computer Interfaces|IIT Guwahati
	Other technical course completion
1.	Completed the JAVA Programming Course provided by Great Learning Academy, September 2022.
	International Conferences
1.	**K.Sri Dhivya Krishnan** and P.T.V.Bhuvaneswari., "Detection of hexavalent chromium contamination in drinking water using water quality sensor", IEEE 9th International Conference on Trends in Industrial Measurements and Automation (TIMA-2017), MIT Campus, Anna University, Chennai, Tamil Nadu, 6th -8th January 2017, pp.no.177-181.

2.	**K.Sri Dhivya Krishnan** and P.T.V.Bhuvaneswari., "Multiple linear regression based water quality parameter modeling to detect hexavalent chromium in drinking water", International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET'17), SSN College of Engineering, Chennai, Tamil Nadu, 22nd -24th March 2017, pp.no.2434 – 2439.
3.	**K.Sri Dhivya Krishnan** and P.T.V.Bhuvaneswari., "Multiple linear regression based prediction model to detect hexavalent chromium in drinking Water", 4th Springer International Conference on Computational Intelligence in Data Mining (ICCIDM'17), Veer Surendra Sai University of Technology, Burla, Odisha, 11th and 12th November 2017 **Published in Lecture notes: K. Sri Dhivya Krishnan,** Bhuvaneswari P.T.V. (2019) Multiple Linear Regression-Based Prediction Model to Detect Hexavalent Chromium in Drinking Water. In: Behera H., Nayak J., Naik B., Abraham A. (eds) Computational Intelligence in Data Mining. Advances in Intelligent Systems and Computing, Vol 711. Springer, Singapore.
4.	K.Sri Dhivya Krishnan and P.T.V.Bhuvaneswari., "MLR model based sensor reduction for remote Cr6 detector", 4th IEEE International Conference on Devices , Circuits and Systems (ICDCS'18), Karunya University, Coimbatore, Tamil Nadu, 16th and 17th March 2018, pp.no.28-33.
5	K, Sri Dhivya Krishnan and A, Prabhakaran, K, Danesh, E, Dinesh Kumar, R, Saai Srivathsan and Sachin M.P, "Water Quality Parameters Modeling of Thamirabarani River," 2024 International Conference on Signal Processing, Computation, Electronics, Power and Telecommunication (IConSCEPT), Karaikal, India, 2024, pp. 1-6.
	Journal Publications
1.	Prabhakaran, A., Thirumoorthi, P. & K.Sri Dhivya Krishnan, K. Design and development of an intelligent zone based master electronic control unit for power optimization in electric vehicles, Scientific Reports, Vol 14, pp.1-13, August 2024
2.	A. Prabhakaran, R. Dhinakaran, K. Sri Dhivya Krishnan, S. Baskar, V.S. Shaisundaram, 'Analysis of the efficiency of an automotive alternator by replacing Mild steel into aluminum as a material for rotor', Materials Today: Proceedings, Elsevier, Vol 37, no. 2, pp. 1269-1273, 2021.
3.	K. Sri Dhivya Krishnan, & Bhuvaneswari, P. T. V, 'Evaluation of Water Quality Parameters using Regression Model for Contamination Detection in Drinking Water', Tierärztliche Praxis, ISSN No: 0303-6286, Vol 40, no.1, pp. 2140-2152, 2020.
4.	K. Sri Dhivya Krishnan & Bhuvaneswari, P. T. V 2020, 'Regression Based Contamination Detection for Real Time Water Quality Assessment', Solid State

	Technology, Vol. 63, no.5, pp. 9157-9167, 2020.
5.	K. Sri Dhivya Krishnan, M.Gowsalya, M.Sangeetha, , N.Divya, T.Devika., "A Novel approach automatic digital door opening and closing security system" International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering, Vol. 2, Issue 2, Feb 2014.
6.	K. Sri Dhivya Krishnan, M. Barathi Selvaraj, P. Rekha, S. Gowtham., "Analysis and implementation of semaphore signaling in railway tracks", International Journal of Science, Technology and Society. Vol. 3, Issue. 2, March 2015, pp. 65-68.