


**PERSONAL DETAILS AND AFFILIATION**

Name of the Faculty Member	Dr.S.Subaselvi	
Designation	Assistant Professor	
Department	Electronics and Communication Engineering	
Date of joining the institution	18-06-2024	
Date of Birth	22-04-1994	
Address for Communication	2/238 West Street, Kuppanapuram, Manur, Tirunelveli - 627201	
Email ID	subaselvi05@gmail.com, subaselvicee@nec.edu.in	

**EDUCATIONAL QUALIFICATION**

S.NO.	QUALIFICATION	INSTITUTION STUDIED	UNIVERSITY / BOARD	YEAR OF PASSING
1	Ph.D.	CEG, Anna University	Anna University	2022
2	M.E.	Coimbatore Institute of Technology	Anna University	2017
3	B.E.	Kumaraguru College of Technology	Anna University	2015
4	XII	Ponnu Matriculation Higher Secondary School	State board	2011
5	X	Ponnu Matriculation Higher Secondary School	Matriculation	2009

**EXPERIENCE**

S.NO.	NAME OF THE INSTITUTION / ORGANIZATION	POSITION HELD	FROM	TO	EXPERIENCE	
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1	M.Kumarasamy College of Engineering	Assistant Professor	11-07-2022	31-05-2024	1	10
TOTAL EXPERIENCE					1	10

## LIST OF INTERNATIONAL JOURNAL PUBLICATIONS

1	IS Akila, Subaselvi S, “Energy Efficient Recursive Clustering Approach for Wireless Sensor Networks”, <b>International Journal of Electronics, Electrical and Computational System</b> , vol. 6, No. 5, pp. 121-130, 2017.
2	Subaselvi S, Manimekalai T, Gunaseelan K, “Energy Efficient Recursive Clustering and Gathering for Big Data in wireless Sensor Networks”, <b>Sensor Letters</b> , vol. 17, No. 9, pp. 680-687, 2019.
3	Subaselvi S, Gunaseelan K, “Energy Efficient Mobile Harvesting Scheme for Clustered SDWSN with Beamforming Technique”, <b>Intelligent Automation and Soft Computing</b> , vol. 34, No. 2, pp. 1197-1213, 2022, IF : 1.647.
4	Subaselvi S, Gunaseelan K, “A novel Energy Efficient Harvesting technique for SDWSN using RF transmitters with MISO Beamforming”, <b>International Arab Journal of Information Technology</b> , vol. 20, No. 1, pp. 125-133, 2023, IF : 1.2.
5	Subaselvi S, Gunaseelan K, “Energy Efficient UAV Enabled Harvesting with Beamforming for Clustered SDWSN”, <b>Computing, Springer</b> , vol. 104, No. 9, pp. 2077 - 2100, 2022, IF : 3.7.
6	Subaselvi S, “Monitoring of Environmental Parameters using Various Sensors in Agriculture”, <b>Grenze International Journal of Engineering and Technology</b> , vol. 9, No. 2, pp. 17 - 22, 2023.
7	Subaselvi S, R. Vijaya Kumar Reddy, B. Mahesh Babu, Gururaj Harinahalli Lokesh, Francesco Flammini, Rajesh Natarajan, “Route planning for an autonomous Robotic Vehicle employing a weight controlled particle swarm optimized Dijistra’s Algorithm”, <b>IEEE ACCESS</b> , vol. 11, pp. 92433-92442, 2023, IF:3.9

## LIST OF INTERNATIONAL CONFERENCE PUBLICATIONS

1	Presented a paper titled “ <b>Event Driven Recursive Clustering Algorithm for wireless Sensor Networks</b> ” in IEEE sponsored 4 <sup>th</sup> International Conference on Innovations in Information, Embedded and Communication Systems, Karpagam College of Engineering, Coimbatore on 18 <sup>th</sup> March, 2017.
2	Presented a paper titled “ <b>Energy Efficient Recursive Clustering Approach for Wireless Sensor Network</b> ” in “5 <sup>th</sup> International Conference on Engineering Technology, Science and Management Innovation, Institution of Electronics and Telecommunication Engineers (IETE), Delhi on 30 <sup>th</sup> April, 2017.
3	Presented a Paper titled ‘ <b>A Novel harvesting and Data Collection Using UAV with Beamforming for Heterogenous Clustered Wireless Sensor Networks</b> ’ in International Conference in Robotics, Control, Automation and Artificial Intelligence (RCAAI), Karnataka on 24-26 November, 2022.
4	Presented a Paper titled ‘ <b>VLSI Implementation of Triple DES Block Cipher</b> ’ in 7 <sup>th</sup> International Conference on Computing Methodologies and Communication (ICCMC 2023), Erode on 23-25 February, 2023.
5	Presented a Paper titled ‘ <b>RFID based Automatic Car Parking System using IoT</b> ’ in 9 <sup>th</sup> International Conference on Electrical Energy Systems, Chennai on 23-25 March, 2023.

6	Presented a Paper titled ' <b>Monitoring of Environmental Parameters Using Various Sensors in Agriculture</b> ', in Twelfth International Conference on Advances in Electrical Measurements and Instrumentation Engineering, EMIE 2023 organized by ACEECom, Kochi on 28-29 April, 2023.
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#### LIST OF NATIONAL CONFERENCE PUBLICATIONS

1	Presented a paper titled " <b>Renewable Energy</b> " in National Conference on Developing Scenario in Applied Sciences and Communication English, Kumaraguru College of Technology, Coimbatore on 3 <sup>rd</sup> March, 2012.
2	Presented a paper titled " <b>Agriculture Automation Robot</b> " in National Level Technical Symposium, Kumaraguru College of Technology, Coimbatore on 8 <sup>th</sup> February, 2013.
3	Presented a paper titled " <b>Clustering Algorithm for Wireless Sensor Network using Event Driven Iterative Clustering Approach</b> " in National Conference on Innovations and Emerging Technologies for Future Smart Cities, Coimbatore Institute of Technology, Coimbatore on 7 <sup>th</sup> April, 2017.

#### LIST OF FDP PROGRAM ATTENDED

S.NO.	NAME OF THE PROGRAMME & VENUE	DATES WITH DURATION
1	' <b>Mini Project Contest</b> ', Kumaraguru College of Technology, Coimbatore	2-3 March, 2012
2	' <b>Digital System Design</b> ' organized by Centre for Continuing Education of Indian Institute of Technology, Madras	January to April, 2013
3	' <b>Women in Electro Magnetics, Antenna Design, Wave Propagation and Application</b> ', Kumaraguru College of Technology in association with IEEE Antenna Propagation Society	1-2 March, 2013
4	' <b>ROBOTICS-TECHNOPETZ</b> ', Kumaraguru College of Technology, Coimbatore	10-11 October, 2013
5	' <b>Basic Graph Algorithm and design of Algorithms</b> ', through the QEEE program	2016
6	' <b>Embedded System Design for Internet Of Things Applications</b> ' using CC3200 ARM cortex M4 organized by Coimbatore Institute of Technology, Coimbatore in collaboration with STEPS knowledge services	21 <sup>st</sup> April 2016
7	' <b>Implementation of 2x2 MIMO Systems</b> ' jointly with National Instruments, Coimbatore Institute of Technology, Coimbatore	19 -21 september, 2016
8	' <b>Linear algebra and its applications in signal processing</b> ', Coimbatore Institute of Technology, Coimbatore	12-16 October 2016
9	' <b>Communication System Design using LabVIEW and NI-USRP</b> ' conducted by AvGarde Systems Pvt. Ltd., College of Engineering, Guindy, Anna University, Chennai in association with NI systems (India), Bengaluru	14-15 February, 2019
10	' <b>Network and Hardware Security Challenges</b> ' at College of Engineering, Guindy, Anna University, Chennai	11-12 March 2019
11	' <b>Antenna Trends</b> ' organized by Electronics and ICT Academics under the scheme of financial for setting up of Electronics and ICT Academics of the MeitY, NIT, Patna	1-5 July, 2019

12	<b>'Internet of Things'</b> at College of Engineering, Guindy, Anna University, Chennai	29 Oct -2 Nov 2019
13	<b>'Research Challenges in 5G wireless Communications'</b> under the UGC XII plan, College of Engineering, Guindy, Anna University, Chennai	14-15 February 2020
14	<b>'Advances in Next Generation Wireless Communication &amp; Networks'</b> organized by G Pulla Reddy Engineering College, Kurnool	27-31 July 2020
15	<b>'EC8701 Antennas and Microwave Engineering'</b> organized by RVS College of Engineering and Technology, Coimbatore	18-22 July, 2022
16	<b>'National Intellectual Property Awareness Mission'</b> organized by Intellectual Property Office, India	29 July, 2022
17	<b>'Applications of Machine Learning and Deep Learning using MATLAB'</b> organized by Vel Tech Multi Tech Dr. Rangarajan Dr.Sankunthala Engineering College, Avadi, Chennai	1-8 August, 2022
18	<b>'Next-generation Applications in Electrical and Electronics Engineering'</b> Organized by Electronics & ICT Academy by MeitY, NIT Patna	15-21 September, 2022
19	<b>'National Intellectual Property Awareness Mission'</b> by Intellectual Property Office, India	19 October, 2022
20	<b>'National Intellectual Property Awareness Mission'</b> by M.Kumarasamy Collge of Engineering	1-7 December, 2022
21	<b>'Recent advances in Data Science, Data Analytics and Cyber Security'</b> organized by Sri Vishnu Engineering College for Women	1-5 March, 2023
22	<b>'AI &amp; Deep Learning Approach for Image Processing and its Applications'</b> organized by Paavai Engineering College in association with IETE	19 -24 June, 2023
23	<b>'Recent Trends and Advancements in ML &amp; NLP'</b> organized by Narula Institute of Technology	12 -17 July, 2023
24	<b>'Continous Competency Enrichment Program'</b> organized by M.Kumarasamy College of Engineering	27-28 July, 2023
25	<b>'Cloud Infrastructure (AWS)'</b> organized by Sathyabama Institute of Science and Technology collaboration with AICTE and Brainovision Solutions India pvt Ltd	21 -25 August, 2023