<u>**RESUME**</u>

Dr. PANDEESWARI.G

Email: pandeeswariasokan@gmail.com

Objective:

Seeking a position to utilize my skills and abilities in Teaching that offers professional growth while being resourceful, innovative and flexible.

Academic Qualification:

Sl.No.	Degree	Specialization	Year	Board/ University	Percentage /Class	Institution
1.	Ph.D	Wireless Communication		Anna University, Chennai.	Jan 11 - 2022	Thiagarajar College of Engineering, Madurai.
2.	M.E.	Communication Systems	May 2011	Anna University, Trichy.	8.7 CGPA	K.L.N. College of Engineering, Sivagangai.
3.	B. E	Electronics and Communication Engineering	May 1997	Madurai Kamaraj University, Madurai	67% (First class)	P.S.N.A. College of Engineering & Technology, Dindigul.
4.	H.S.C	Bio - Maths	March 1993	State Board	70%	Thambithottam higher secondary school, Gandhigram
5.	S.S.L.C	-	March 1991	State Board	73%	Thambithottam higher secondary school, Gandhigram

Teaching Experience:

❖ Working as an Assistant Professor in the Department of Electronics and Communication in Mannar Thirumalai Naicker College, Madurai from 14.03.2022 to till date.

❖ Worked as an Assistant Professor in the department of Electronics and Communication Engineering in K.L.N. College Information Technology, Sivagangai. From 04.01.2012 to 4.11.2019.

❖ Worked as an Assistant Professor in SACS MAVMM College of Engineering from July 2006 to December 2011.

❖ Worked as Lecturer in Vickram College of Engineering, Sivagangai from January 2005 to May 2006.

Areas of Interest   :

❖ Communication Systems,

❖ Wireless Communications.

❖ Electromagnetic field theory

❖ Microprocessors and Microcontrollers

SUBJECTS HANDLED

❖ **Microprocessors and Microcontrollers**

❖ **Electron devices and circuits**

❖ **Wireless Communication**

❖ **Linear Integrated circuits**

❖ **Electromagnetic theory**

❖ **Transmission lines and waveguides**

❖ **Satellite Communication**

❖ **VLSI**

❖ **Communication Theory**

❖ **Computer Networks**

❖ **Network Routing Algorithm**

Publications:

❖ Published a paper entitled on **"**Performance of single hop and multi hop relaying protocols in cognitive radio networks over Weibull fading channel", Journal of Ambient Intelligence and Humanized Computing – Springer Available From: https://doi.org/10.1007/s12652-020-01739-z> (Published Online). ISSN 1868-5137, E-ISSN1868-5145

❖ Published a paper entitled on "Energy Efficient Periodic Spectrum Sensing and Transmission Tradeoff in Cognitive Radio Networks" in International Journal of Current Engineering and Scientific Research (IJCESR), Volume 5, Issue.7, 2018.

❖ Published a paper entitled on "Modeling and Analysis of Sensing Schemes in Multichannel Cognitive Radio Networks" in International Conference on Innovations in Engineering and Technology (Journal of innovative research in Science, Engineering and Technology) held at K.L.N. College of Engineering, Madurai.

Conference Attended / Presented:

❖ Presented a paper entitled "LIFI in Health Industry" in International Conference on Recent Advancement in Material Science and it's Applications '23 held at Mannar Thirumalai Naicker College, Madurai.

❖ Presented a paper entitled "Energy Efficient data collection scheme for resource constrained wireless sensor networks" in International Conference on "Design and Applications of Structures, Drives Communicational and Computing Systems" held at K.L.N. College of Information Technology, during March 8th and 9th, 2019.

❖ Presented a paper entitled "Location privacy of Secondary users in Cognitive radio Networks using K-Anonymity" in National Conference on Signal Processing and Communication Technologies – 18, held at Kamaraj College of Engineering and Technology, Virudhunagar, on 28th March 2018.

❖ Presented a paper entitled "Performance of Threshold Adaptation Energy Detection for Cognitive Radio Networks" in the International Conference on Science, Computers, Technology and Engineering – ICSCTE 2018, held at Shree Velagapudi Ramakrishna Memorial College, Guntur during 26th and 27th October 2018.

- ❖ Presented a paper entitled " Enhance QOS under Ranking based Multipath Channel Selection Algorithm in Cognitive radio" in National Conference on Communication, Computing, Telemedicine and VLSI in the year of 2016.
- ❖ Presented a paper entitled on "Hypertext encryption method for Cognitive Radio Networks", in National Conference on Recent Hasten in Communication Systems – NCRHCS'15, held at SACS MAVMM Engineering College on March 20, 2015.
- ❖ Presented a paper entitled on "Multi relay networks based on Decode and Forwarding Process" in International Conference on Interdisciplinary Engineering and Sustainable Management Sciences held at Vickram College of Engineering, Madurai during 10th and 11th April 2015.
- ❖ Presented a paper entitled on "Cognitive Radio Networks Based on Beam-forming Algorithm for Amplify and Forward Relay Channels" in National Conference on Advanced Computing and Changing Paradigm in Computer Applications, held at Karpagam College of Engineering, Coimbatore on 10th March 2015.
- ❖ Presented a paper entitled on "Capacity Maximized Precoder with Channel Estimation Error" in National Conference on Microwave and Optical Communication NCMOC 2011 held at Alagappa Chettiar College of Engineering and Technology, Karaikudi, on 30th March 2011.
- ❖ Presented a paper entitled on " A Novel Scheduling Algorithm for MIMO based wireless Networks", in National Conference on Advanced Telecommunication Technologies held at K.L.N. College of Engineering, Madurai, on March 31st and April 1st 2010.

Seminars and workshops Attended:

- ❖ Participated in seven days Faculty Development Program (FDP) on "Enhancing Quality by unlearning Innovative Practices - EQUIP 2022" at Mannar Thirumalai Naicker College from 18-04-2022 to 24-04-2022.
- ❖ Participated in one day Faculty Development Program (FDP) on "Insights of National Educational Policy (NEP 2020)" at Mannar Thirumalai Naicker College from 18-03-2023
- ❖ Participated in one day Faculty Development Program (FDP) on "Consultancy and Corporate Training" at Mannar Thirumalai Naicker College from 17-03-2023
- ❖ Participated in seven days Faculty Development Program (FDP) on "Inclusive Procedures and Processes for NAAC Assesment and Accreditation" at ACT Academy from 24.04.2023 – 30.04.2023
- ❖ Participated in seven days Faculty Development Program (FDP) on "Pedagogical Innovation & Strategies in Higher Education" at ACT Academy from 31.07.2023 – 07.08.23

- ❖ Participated in one day Faculty Development Program (FDP) on "Random Process and Signal Processing" at K.L.N. College of Engineering, Pottapalayam on 27th January 2018.
- ❖ Participated in one day workshop on "Intellectual Property Rights" at K.L.N. College of Information Technology, Pottapalayam on 4th October 2017.
- ❖ Participated in one day workshop on "Effective Implementation of Outcome Based Education (OBE)" at Thiagarajar College of Engineering, Madurai on 28th July 2017.
- ❖ Attended the one week FDP on "Electronic Circuits: Theory &Practice" at Thiagarajar College of Engineering, Madurai during 23rd to 29th 2016.
- ❖ Participated in a two day workshop on "Trends and Developments in Optical and Microwave Communications" organized by K.L.N. College of Information Technology, Pottapalayam during 14th and 15th September 2016.
- ❖ Attended the ten days Training Programme on "Big Data Analytics" sponsored by Department of Science and Technology (DST), Big Data Initiatives Division (BDID), New Delhi at K.L.N College of Information Technology during 22nd June to 1st July 2016.
- ❖ Participated in the TEQUIP – II Sponsored workshop on "Research Paper Writing" Organized by Thiagarajar College of Engineering, Madurai on 23rd December 2016.
- ❖ Attended two days FDP on "Internet of Things (IoT) – Communication & Networking Perspective" at K.L.N. College of Information Technology, Pottapalayam during 20th and 21st December 2016.
- ❖ Participated in one week FDP on "Innovative Research Prospects on Wireless Sensor Networks" at K.L.N. College of Information Technology, Pottapaayam during 15th to 21st December 2014.
- ❖ Attended two day FDP on "Wavelet and Sparse Signal Processing" at K.L.N. College of Information Technology, Pottapalayam during 27th and 28th February 2014.
- ❖ Participated in the TEQIP Sponsored workshop on "Wireless Networks – A step towards Green Communication" at Thiagarajar College of Engineering during 31st March to 5th April 2014.
- ❖ Attended one day workshop on "SDR Based Wireless Communication System Design" at K.L.N. College of Engineering, Potapalayam on 6th September 2013.
- ❖ Attended the CSIR sponsored National level Seminar on "Challenges and Opportunities in 4G Wireless Systems" at K.L.N. College of Information Technology during 5th and 6th February 2013.
- ❖ Attended two day National workshop on "Statistical Data Processing Research Focus" at K.L.N. College of Information Technology, Pottapalayam during 13th and 14th September 2013.

- ❖ Participated in the one day National Seminar on "Research Trends in Communication Technologies (RETRIC'13) at Velammal College of Engineering &Technoogy, Madurai on 23rd August 2013.
- ❖ Participated National level Seminar on "Software Radio – The Future Radio" Organized by Electronic Division, VIT- Chennai on 23rd February 2012.
- ❖ Attended National level Seminar on "Research Trends in Wireless Communication and Network Technologies" at Kamaraj College of Engineering and Technology, Virudhunagar on 24th February 2012.
- ❖ Attended the two day National Seminar on "MIMO Wireless Communications and Standards" at K.L.N. College of Information Technology, Pottapalayam during 28th & 29th September 2012.
- ❖ Participated in the Anna University of Technology Madurai Sponsored two day FDP on "Random Process & Digital Communication" at K.L.N. College of Engineering, Pottapalayam during 5th and 6th April 2011.
- ❖ Attended the two days' workshop on "Next Generation Optical Communication Networks" at PSNA College of Engineering &Technology, Dindigul during 11th &12th October 2011.
- ❖ Attended two days FDP in "How to become a successful Teacher for Institutional Development" during 8th & 9th December 2011.
- ❖ Attended two days' workshop on "Wireless Communication Technologies and Research Issues" at Thiagarajar College of Engineering, Madurai during 28th &29th October 2011.
- ❖ Attended the two days' workshop on "Next Generation Optical Communication Networks" at PSNA College of Engineering &Technology, Dindigul during 11th and 12th October 2011.
- ❖ Attended two days FDP on "Research Funding &Patent Methodologies in Engineering &Technology" at K.L.N. College of Engineering, Pottapalayam during 4th & 5th March 2010.
- ❖ Attended two days FDP on "Embedded and DSP Design Flow Workshop in XIINX Platform for Researchers" at K.L.N. College of Engineering, Pottapalayam during 29th & 30th July 2010.
- ❖ Participated in the two day workshop on "VLSI Design Techniques & Applications" at K.L.N. College of Engineering, Pottapalayam during 3rd & 4th 2009.
- ❖ Participated in National Workshop on "Inculcating Open Source Software Development and its use in Multi-disciplinary Engineering domains" at PSG College of Technology, Coimbatore on 8th & 9th March 2007.

Achievements:

❖ Acted as a **Coordinator** in Guest Lecture on "Application of PLC in Industrial Automation" held at Mannar Thirumalai Naicker College, Madurai, on 18.08.2023.

❖ Acted as a **Convenor** in A National conference on "Recent Trends in Nano Technology" 23 (NCRTNT'23)" held at Mannar Thirumalai Naicker College, Madurai, on 07.03.2023

❖ Acted as a **Coordinator** in Guest Lecture on "Importance of Industrial Automation" held at Mannar Thirumalai Naicker College, Madurai, on 30.12.2022

❖ Acted as a **Coordinator** in Guest Lecture on "Data Science" held at Mannar Thirumalai Naicker College, Madurai, on 14.09.2022

❖ Acted as a **Coordinator** in Guest Lecture on "How to Reach goal" held at Mananr Thirumalai Naicker College, Madurai, on 11.08.2022

❖ Acted as a **Coordinator** in Guest Lecture on "Guest Lecture on "How to Reach goal"" held at Mananr Thirumalai Naicker College, Madurai, on 11.08.2022

❖ Acted as a **Coordinator** in Guest Lecture on "Recent Trends in Microwave and Radio Systems" held at Mananr Thirumalai Naicker College, Madurai, on 04.04.2022

❖ Acted as a **Coordinator** in National level workshop on **"IoT- Internet of Things an outreach workshop of Technex'17, IIT Varanasi in association with Innovians Technologies"** held at K.L.N. College of Information Technology, Pottapalayam during 16th and 17th February, 2017.

❖ Acted as a **Session Chair Person** in Seventh International Conference on **"Design and Applications of Structures, Drives, Communicational and Computing System"** (ICDASDC - 2019) held at K.L.N. College of Information Technology, during 8th and 9th March 2019.

❖ Achieved **100% result** in the subject titled "**NC7001 – Networking Routing Algorithms"** of Anna University theory Examinations during the year 2016 -2017.

Personal Profile:

Name   :   Dr.G.Pandeeswari

Date of Birth   :   09-05-1976

Husband's name   :   Dr.R.Asokan

Languages Known :   English, Tamil.

Permanent Address :   2, PANASO Bhavan,

                                   Namachivayam third main street,

                                   Duraisamy Nagar, Madurai -16.

Declaration

    I hereby declare that the above-mentioned details are true to the best of my knowledge and belief.

Place : Madurai

Date : 17.03.22   Pandeeswari .G