

**Ms. GOWRI  
MANOHARI R**



<b>Designation:</b>	<b>Assistant Professor</b>				
<b>Qualification:</b>	<b>M.E, Ph.D (Pursuing)</b>				
<b>Area of specialization:</b>	<b>Antenna Design, Optical Communication, Communication Systems.</b>				
<b>Experience : (As On MAY 2024)</b>	<b>Industrial Experience</b>		<b>Teaching Experience</b>		
	-		6.2 Years		
<b>Number of workshop / FDP attended:</b>	<b>Number of Workshops</b>		<b>Number of FDPs</b>		
	5		13		
<b>Publications:</b>	<b>Conference</b>		<b>Journal</b>		
	<b>National</b>	<b>International</b>	<b>SCI</b>	<b>Scopus</b>	<b>Others</b>
	2	4	1	2	1
<b>Patents:</b>	<b>National</b>		<b>International</b>		
	-		-		
<b>Professional Body Membership:</b>	-				

<p><b>Staff Achievements:</b></p>	<ul style="list-style-type: none"> <li>• Received awards for producing 100% result in subjects handled in the year 2016, 2017.</li> <li>• Secured <b>90% (Elite + Gold, topper)</b> in NPTEL online examination on “Estimation for Wireless Communications MIMO /OFDM Cellular and Sensor Networks Systems, 2016.</li> </ul>
<p><b>Workshop Details:</b></p>	<ul style="list-style-type: none"> <li>• Participated in a Workshop on Hands on Experience in OptSim-15 organised by IETE, at Kalasalingam University,2016.</li> <li>• Attended an International Industrial Training programme on Electro-Pneumatics Organized by, SMC Pneumatics, July-2016.</li> <li>• Participated in a two-week ISTE Workshop on Signals and Systems Conducted by IIT, Kharagpur, at VIT University Vellore, 2014.</li> <li>• Participated in a Workshop on LaTeX, at KCET, 2014.</li> <li>• Attended a Workshop on “Future Directions in Image Processing and Analysis”, Conducted by SSN College of Engineering, Chennai, 2009</li> </ul>
<p><b>FDP Details:</b></p>	<ul style="list-style-type: none"> <li>▪ Attended a FDP on Recent Trends and Advancements in Semiconductor Devices Modelling through Machine Learning, AAA College of Engineering and Technology, Jan 2024.</li> <li>▪ Attended AICTE Recognized FDP on Antenna Design Techniques and Tools conducted by NITTTR, Chandigarh, Sep 2023.</li> <li>▪ Attended an online Faculty Development Programme on Recent Trends in Antenna Engineering and its applications sponsored by Ministry of Electronics and Information Technology,NIT Warangal, Feb 2023.</li> <li>▪ Attended a Seminar on Recent Trends in Communication Technologies in Velammal College of Engineering and</li> </ul>

Technology, Madurai, Oct 2022.

- Attended a AICTE Sponsored Short term training programme on Recent Advancements of Computational Electromagnetics in Modern Microwave Antennas, organized by ECE, SVCE, 2020.
- Participated in Two days Technical Seminar on Recent Trends in IoT Applications Organized by IETE Sivakasi Centre, March 2017.
- Participated in a Faculty Development Training Programme on Communication Theory, at KCET, 2016.
- Participated in a Faculty Development Training Programme on Electro Magnetic Theory Theory, at KCET, 2014.
- Attended a Faculty Orientation Programme on Communicative English & Instructional Methodologies, at KCET, 2012.
- Attended a Seminar on “Recent Trends in VLSI and Embedded Systems and Its Applications” – IETE Sivakasi Sub Centre at Mepco Schlenk Engineering College, Sivakasi, 2012.
- Attended a Seminar on “Optical Communication Networks”- Mepco Schlenk Engineering College, Sivakasi, 2011.
- Attended a Seminar on “Communication System Design Techniques and Tools” – IETE Sivakasi Sub Centre at Mepco Schlenk Engineering College, Sivakasi, 2011

## Publication Details:

### JOURNAL

- R.Gowri Manohari, K.Kavitha, R.Arun, “Design of Metamaterial Inspired Antenna Using Machine Learning and Optimization Techniques”, IEEE Explore Digital Library, 2023. [DOI : 10.1109/ICCCI56745.2023.10128420](https://doi.org/10.1109/ICCCI56745.2023.10128420)
- R. Gowri Manohari and T. Sabapathi, “*Analysis and Reduction of Polarization Mode Dispersion in an Optical Fiber*”. IEEE Explore Digital Library, 2011. [DOI : 10.1109/ICONRAEeCE.2011.6129822](https://doi.org/10.1109/ICONRAEeCE.2011.6129822)

- R. Gowri Manohari and T. Sabapathi, “*Analysis and Compensation of Polarization Mode Dispersion in Single Channel, WDM and 32-channel DWDM Fiber Optic System*”, OPTIK- International Journal for Light and Electron Optics, ELSEVIER, Jan 2014. [SCI JOURNAL] <https://doi.org/10.1016/j.ijleo.2013.06.003>
- R.Gowri Manohari, M.Stella Mercy, “*Radio over Fiber Access for Integrated Broadband Wireless Systems using Opti System*”, International Journal of Advanced Research Trends in Engineering and Technology (IJARTET) Vol. 4, Issue- 20, March 2017. <https://ijartet.com/2310/v4s20april2017kamarajece/conference>

### Conference Details

- R.Gowri Manohari, K.Kavitha, R.Arun, “Design of Metamaterial Inspired Antenna Using Machine Learning and Optimization Techniques”, IEEE International Conference on Computer Communication and Informatics (ICCCI), 2023.
- R.Gowri Manohari, “Arduino Based Smart Light System using Solar panel”, International Conference on Technical Innovations in Electrical, Electronics, Computer and Communications, March 2017.
- R.Gowri Manohari, “Arduino Based Intelligent Street Light Control System using Solar Energy”, National Conference on Recent Trends in Electrical, Electronics, Communication and Computing Technologies, March 2017.
- R.Gowri Manohari, “Intelligent Bus Alert System for the Visually Impaired”, National Conference on Recent Trends in Electrical, Electronics, Communication and Computing Technologies, March 2017.
- R. Gowri Manohari and T. Sabapathi, “Analysis and Reduction of Polarization Mode Dispersion in an Optical Fiber”. IEEE International Conference on Recent Advancements in Electrical, Electronics and Control Engineering (IConRAEeCE’ 12), 2011.
- R. Gowri Manohari and T. Sabapathi, “Compensation of Polarization Mode Dispersion in Multichannel Fiber Optic System”, International Conference on Advances in Communication & Technology (ICACT’ 12), 2011

## **Online Courses details**

- Successfully completed NPTEL Certification course on Estimation for Wireless Communications MIMO /OFDM Cellular and Sensor Networks Systems, 2016.
- Attended a Course on Communicative English at COL'S CALIBRE, 2013.
- Attended a course on LabView at KCET, 2016.

## **LECTURES DELIVERED**

- Acted as a Resource Person for a Value-added course on 1D&2D Signal Processing using MATLAB and GUI organized by Dept. of ECE at KCET, 2016.

## **WORKSHOP/FDP ORGANISED**

- Presented Demo session in the workshop on OPTSIM tool in Mepco Schlenk Engineering College, 2012.