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**Dr. Prasanna R** is working as Assistant Professor in the Department of CSE at SRMIST, Ramapuram campus. He holds a Ph.D degree in Antenna and Microwave Engineering from Anna University Chennai in 2022. He has 12 years of teaching experience. He is a member of Institute of Electrical and Electronics Engineers (IEEE). He has published papers in several International Journals, international and national conferences. He has received Best Presentation award from IIT Kharagpur during 2021 for his research paper and publication recognition award from Anna University chennai during 2023 for publishing his research work in Q1 Journals. He holds a technical certification in antenna design and modelling and also certified in various courses from NPTEL. His research interests include UWB Antennas, Wearable Antennas, Biomedical and reconfigurable Antennas, Internet of Things (IOT).

**Area of Research:**

UWB Antennas, Wearable Antennas, and Internet of Things (IOT).

**Selected Publications:**

1. **R. Prasanna**, K. Annaram, and N. R. Shanker, “Multilayer Flexible Substrate Antenna Sensor for PT Measurement from Blood Plasma to Avoid Turbidity and Reagent Sensitivity Variations through Regression Modelling,” *IEEE Sensors. Journal.*, vol. 21, no. 9, pp. 10409–10419, 2021. (SCI & Scopus Indexed) **Impact Factor 4.325**
2. **Prasanna, R.**, Annaram, K. & Venkatalakshmi, “Early Detection of Acute Coronary Syndrome Through Prothrombin Time Measurement Using Flexible UWB Antenna for Cardiac Patient” *Biomedical signal processing and control.*, Vol. 76, 103636, 2022. (SCI & Scopus Indexed) **Impact Factor 5.076**
3. **Prasanna, R.**, Annaram, K. & Venkatalakshmi, K. “Reconfigurable Tri-Band UWB Antenna Using Single Winding Balun Structure” *Wireless Personal Communications.* vol. 124, no. 2, pp. 1773–1787, 2022. (SCI & Scopus Indexed) **Impact Factor 2.017**
4. **Prasanna, R.**, Saravanan, P. & Rajarajan, S. “Compact Tri-Band Antenna with Double Winding Structures for 3G/4G/5G Base Station Applications” *Wireless Personal Communications.* vol. 129, no. 1, pp. 371–386, 2023. (SCI & Scopus Indexed) **Impact Factor 2.017**

5. **Prasanna, R.,** Annaram, K. & Venkatalakshmi, “**Framework For Touchless Patient Monitoring System Integrating Uwb Radar And Internet Of Things (Iot) For Covid19 Patients**” *International Journal for Multiscale Computational Engineering*. vol. 20, no. 4, pp. 57-69, 2022. (SCI & Scopus Indexed) **Impact Factor 1.591**
6. **Prasanna, R.,** Thamarai selvi, G, Annaram, K. & Venkatalakshmi, “**Multi-Band Flexible UWB Antenna for Wearable Electronics and Biomedical Applications**” *International Journal for Multiscale Computational Engineering*. 2023 vol. 21, no. 5, pp. 93-104, 2023. (SCI & Scopus Indexed) **Impact Factor 1.591**
7. **Prasanna, R.,** Banu Priya Prathaban, G, Jenath M, Subash Rajendran, AshokKumar M, “**Computational Framework for Human Detection Through Improved UWB Radar System**” *International Journal for Multiscale Computational Engineering*. 2023 DOI: 10.1615/IntJMultCompEng.2023047756 (SCI & Scopus Indexed) **Impact Factor 1.591**
8. **Prasanna, R.,** Annaram, K. & Venkatalakshmi, “**Dual Substrate MIMO Antenna System for Cognitive Radio and Automotive Applications**” *Telecommunications and Radio Engineering*. vol. 81, no. 8, pp. 1-9, 2022. (Scopus Indexed)
9. **R. Prasanna, K. Annaram,** “**White Paper on Reconfigurable Ultra Wide Band Antenna Design Techniques,**” *Proc. 2nd Int. Conf. Smart Syst. Inven. Technol. ICSSIT 2019*, no. Icssit, pp. 795–799, 2019. (Scopus Indexed)
10. **R. Prasanna and K. Annaram,** “**Application Trends of UWB Technology in Diversified Areas**” *Journal of critical reviews* vol 7, pp. 318–323, 2020.
11. **R. Prasanna,** “**Improving Throughput in Mobile Ad hoc Networks using Receiver Assisted Congestion Control,**” *International Journal Of Advanced Information Science And Technology (IJAIST)* vol. 9, no. 9, pp. 39–44, 2013.
12. **R. Prasanna and K. Balaji,** “**A Cryptographical Approach for security in Mobile Adhoc Networks,**” *International Journal of Science and Research (IJSR)*, vol. 4, no. 11, pp. 1273–1276, 2015.

#### Patents:

1. **Title:** Intelligent Auto-Inflatable Jacket And Methods of Rescuing  
**Details:** Application Number: 202041027211, Filed Date: 26/06/2020, Published Date: 10/07/2020.
2. **Title:** Real Time Analysis In Physiological Signal Using Advanced System  
**Details:** Application Number: 202241008079, Filed Date: 16/02/2022, Published Date: 04/03/2022.

3. **Title: PIN Diode Based Frequency Reconfigurable Antenna for wireless Applications**

**Details: Application Number: 202341008678, Filed Date: 10/02/2023, Published Date: 24/03/2023.**

**Professional Bodies:**

- Member of Institute of Electrical and Electronics Engineers (IEEE)
- Professional Member of International Association of Educator and Researchers (IAER).
- Professional Member of Institute for Engineering Research And Publication (IFERP).
- Member of International Association of Engineers (IAENG).
- Member of The Asia Society of Researchers (ASR).

**Google Scholar:**

<https://scholar.google.com/citations?user=TIwrbtAAAAAJ&hl=en&authuser=1>

**LinkedIn:**

<https://www.linkedin.com/in/prasanna-r-22a269130/>

**You tube Link:**

<https://www.youtube.com/c/PASSIONATEPROFESSOR>

**Scopus Link**

<https://www.scopus.com/authid/detail.uri?authorId=57215198579>

**Publon Link**

<https://www.webofscience.com/wos/author/record/CAH-2230-2022>