

PRASANNA. R

E mail: dr.r.prasanna2022@gmail.com

Mobile: 9942044774

You tube Link: <https://www.youtube.com/c/PASSIONATEPROFESSOR>

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



Education

- Ph.D. (Antenna & RF -Microwave Engineering) 2016-2022
Anna University, Chennai
- M.E (Communication Systems) 2009-2011
GKM College of Engineering and Technology, Perungalathur.
Affiliated to Anna University, Chennai. First Class
- B. E (Electronics and Communication Engineering) 2004-2008
VRS College of Engineering and Technology, Villupuram
Affiliated to Anna University, Chennai. First Class
- HSC 2003-2004
Sacred Heart Convent Anglo Indian Hr sec school, Villupuram
First Class
- SSLC 2001-2002
Sacred Heart Convent Anglo Indian Hr sec school, Villupuram
First Class

Work Experience:

Teaching Experience - 10.4 years

- Assistant Professor, Mailam Engineering College June 2013 - Till Date
- Assistant Professor, Dhanalakshmi Srinivasan Engineering College Dec 2012 - May 2013
- Assistant Professor, I.F.ET College of Engineering and Technology Nov 2011 - Nov 2012

Area of Interest:

- Ultra-Wide Band Communication.
- Communication Engineering.
- Computer Networks.
- RF and Microwave Engineering.

PATENT

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.

International/ National 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., 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
5. Prasanna, R., Annaram, K. & Venkatalakshmi, "Dual Substrate MIMO Antenna System for Cognitive Radio and Automotive Applications" *Telecommunications and Radio Engineering.*
Accepted for Publication (ESCI & Scopus Indexed)
6. 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)

7. R. Prasanna and K. Annaram, "Application Trends of UWB Technology in Diversified Areas" *Journal of critical reviews* vol 7, pp. 318-323, 2020.
8. 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.
9. 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.

International and National Conferences:

1. R. Prasanna and 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. Published in IEEE Explore during February 2020.
2. R. Prasanna and K. Annaram, "Application Trends of UWB Technology in Diversified Areas" at "International Conference on Smart Energy and Electric Vehicles (ICSESEV-2020)". Organised by department of Electrical and Electronics Engineering of Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada held during 8th and 10th January 2020.
3. R. Prasanna and K. Annaram, "Novel Method For Prothrombin Test Using UWB Antenna" at National Conference on "Challenges in Earth System Science for Global Sustainability (CESSGS-2020)" organised by Centre for Ocean, Rivers, Atmosphere and Land Science (COROL) IIT Kharagpur held during 15th to 16th January 2020 and Won 'Best Presentation Award'
4. R. Prasanna, "AES application in image using different operation modes" at "National conference on Advances in Electrical and Electronics Engineering NCAEE-2011 held at Bharath University on 10th March 2011.

Technical Certification/Workshops / FDPs Attended:

- Completed short term Technical course on "Antenna Design Engineering 2.0" in the area of Communication system product development with A grade conducted by Wilma Communications Mumbai during August - September 2020.

- Completed RF skill Development certification **“TMCC16 - DIPLOMA IN ANTENNA MODELLING FOR 5G TRANSCEIVERS”** during January - June 2022.
- Attended 5 day webinar on **“The Step by step guide to write a journal article”** conducted by chase research and development Chennai from 18/6/2020 to 23/6/2020.
- Participated in one day Faculty Development Programme on **“Research Article Writing and Publication”** in association with ELSEVIER organized by Saveetha Engineering College at 7th July 2018.
- Participated in Three day workshop in Hands -On Training on **“RF CIRCUITS AND ANTENNA DESIGN USING ADS,CST & HFSS”** organized by S.A Engineering College Chennai from 27th Nov 2017 to 29th Nov 2017.
- Participated in six days Faculty Development Programme on **“Internet of Things”** organized by Sri Sairam Engineering College sponsored by AICTE Training And Learning (ATAL) Academy.
- Participated in five days Faculty Development Programme on **“Augmented Reality (AR)/ Virtual Reality (VR)”** organized by Gandhi Institute of Technology And Management Gitam Off Campus Bengaluru sponsored by AICTE Training And Learning (ATAL) Academy.
- Participated in six days Faculty Development Programme on **“5G Antenna Design Engineering”** organized by Mailam Engineering College sponsored by AICTE Training And Learning (ATAL) Academy held from 06-12-2021 to 10-12-2021.
- Participated in two days Faculty Development Programme on **“Applications of Signal processing in IOT”** organized by Embedded & Matlab club of Prathyusha Engineering, College, sponsored by IEEE.
- Participated in three days International Faculty Development Programme on **“New Paradigm of Next Generation Electronics and the future trends in Electronics systems”** organized by Bharat Institute of Engineering and Technology sponsored by IETE.
- Participated in Five days Faculty Development Programme on **“CS6701-Cryptography and Network Security”** organized by Panimalar Institute of Technology, Chennai .

- Participated in Five days Faculty Development Programme on “**Embedded Control system and communication Networks**” organized by **SRM Valliammai Engineering College**” held from 11-05-2020 to 15-05-2020.
- Participated in five days Faculty Development Programme on “**Antenna Design - ADS Software**” organized by Chase Research and development department, Chennai.
- Participated in Eight days Faculty Development Programme on “**Team Building**” held at I.F.ET College of Engineering and Technology, from 8th May to 16th May 2012.
- Participated in two days Faculty Development Programme on “**Orientation Programme**” held at I.F.ET College of Engineering and Technology, from 23rd Nov to 24th Nov 2012.

Professional Membership:

- 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).

Thesis & Project Details:

Ph.D Thesis :

- Title : “**Implementation of Ultra-Wide Band Antenna for Blood Prothrombin Time Detection**”
- Description : The main objective of the research is to propose a UWB antenna as an alternative for coagulation analyzer which is the only pathological instrument used to determine Prothrombin Time (PT) of blood.

P.G Project

- Title : “**AES application in image using different operation modes**”
- Description : The main objective of the project is implementation of AES (Advanced Encryption Standard) operations in image encryption and decryption.

U.G Project

- Title : “Hands Free Voice Based Control of Car”.
- Description : The main objective of the project is to control the car using voice technology. This project would be boon to those people who lacks physical ability and driving skills.

Invited Talks & Guest Lecture

- Invited as Chief Guest by **Aghavoli foundation trust** to deliver lecture on “**What’s Next after 12th**” a **Career Guidance program for +2 students** held on 31-07-2021”.
- Invited as resource person for webinar on “**Opportunities in Digital Era**” organized by the department of computer science and engineering of **kongunadu college of Engineering and Technology** on 06-03-2021.
- Delivered a Guest lecturer on “**Effective Communication and Interview Facing Skills**” during JULY 2016 and the same is continued every year for the final year students of Mailam Engineering College.
- Delivered a Guest lecturer on “**BPO Skills Training Module**” during January 2017 and the same is continued every year for the final year students of Mailam Engineering College.

Achievements:

- Received “**THE BEST TEACHER AWARD**” for the academic year 2017-2018 from **Mailam Engineering College**.
- Received “**Best Student Motivator Award**” for the academic year 2020-2021 from Wilma communications & wave association
- **Best Presentation Award from IIT Kharagpur for the paper** “Novel Method for Prothrombin Test using UWB antenna” at National conference on "Challenges in earth system science for global sustainability (CESS-GS) 2020.
- Received **Certificate of Appreciation** more than **10 times** from **Mailam Engineering College** for producing excellent results in the subjects handled
- Received “**Consumer Excellence Award**” from **McAfee** during the year 2011.
- Received “**Platinum Tenure Award**” from **Sutherland** during the year 2011.
- Launched a you tube channel “**Passionate Professor**” and has posted more than 140 videos for academics, personality development & Interview skills

Accomplishments as Placement Coordinator:

- Received **Best Department Placement Coordinator** for the **consecutive three years (2016, 2017 & 2018)** from **Mailam Engineering College** for placing highest number of students in MNC and CORE sectors.
- Received the **placement Award 2018** from Mailam Engineering College for placing highest number of students in MNC.
- Achieved **53+ MNC offers** in ECE and recognized as best placement coordinator in Mailam Engineering College during the 2021
- Promoted as **Training Coordinator** for the college placement cell during the year **2021**
- Guided and won the **FIRST PRIZE** with a cash award of 25000 in **AI MANIA** contest conducted by TCS and earned **FOUR INTERSHIP** for the students in **Artificial Intelligence Global LAB** during the year **2018**.
- Conducted more than **50 training sessions** for various MNC drives such as TCS, CTS Infosys, Wipro, HCL etc.

Administrative Responsibilities:

- Department **NBA Accreditation Coordinator** and as **NACC chapter Coordinators**.
- **College Training Coordinator**, handling soft skill training for the entire college, conducting mock interviews, group discussions and organizing technical training & aptitude training for students by identifying the technical experts.
- Acted as coordinator for **ARIIA Ranking and India Today Ranking**
- Acted as **College Admission cell coordinator** focusing student's admission, college promotional activities and social media promotional activities.
- **Department Placement coordinator**, coordinating campus drives and placing students in MNC and core companies.
- **Department Quality Circle Coordinator**, Organizing value added courses and motivational programs for all the students from first year to final year.
- **Department Discipline Coordinator**, Maintaining Students discipline by monitoring the student's activities.
- Acted as student activity coordinator organizing Student seminar, Workshop, Symposium, and Conferences.
- Acted as coordinator for +2 students programs such as Confluence for centum (C4C) and Sigarathai Nokki

- Acted as a Class advisor to monitoring the student's academic activities and their academic records, class notes verification for all units.
- Acted as a Subject Co-ordinators to monitoring students academic activities related to the subject, conducting retest for slow learners, setting question paper for all internal assessment tests, organizing weekly meeting, conducting unit wise revision & verification of unit wise course material.

Non-Academic Proficiency:

- Efficient to Assist Students in developing their interpersonal and communication skills.
- Have experience in conducting mock interviews and placement training and classes.
- Will be a dynamic member to support the placement cell for the betterment of students and the Institution.
- Organized more than 100 campus drives, motivation programs, placement related seminars, Hr conclaves and all other placement related activities in an efficient manner every year.
- Coordinated many Workshops, seminars, ATAL FDPs and technical training sessions effectively.
- **Worked in VETA as an English Trainer for a period of one year during 2007-2008**

Subjects Handled:

- | | |
|------------------------------------|-----------------------------------|
| ➤ RF and Microwave Engineering. | ➤ Linear Integrated Circuits. |
| ➤ Communication Theory. | ➤ Digital Communication. |
| ➤ Wireless Communication Networks. | ➤ Communication Engineering. |
| ➤ Wireless Networks. | ➤ Electronics and Microprocessor. |
| ➤ Computer Networks | ➤ Electron Devices and circuits. |
| ➤ Communication Theory | ➤ Ultra-Wide Band Communication |
| ➤ Microwave Integrated Circuits. | ➤ Satellite Communication. |

Declaration:

I hereby declare that the information stated above is true to the best of my knowledge.

Place: Villupuram

Date:

(Prasanna R)