# DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY

**(Approved by AICTE Affiliated to JNTU Kakinada)**

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## FACULTY PRPOFILE

| | |
|---|---|
| **Name of the Faculty** | Dr B Prudhvi Nadh |
| **Designation** | Assistant Professor |
| **Date of Joining** | 20-04-2021 |
| **Nature of Association** | Regular |
| **Email & Phone No** | Prudhvi273835@gmail.com & 8500540659 |
| **Department** | Electronics and Communication Engineering |
| **Educational Background** | 1.Phd in Wearable Microwave Antennas from KLU<br>2.M. Tech (Communication Systems) from SRKR, AU, Visakhapatnam<br>3. B. Tech (ECE) from VCET, JNTU Hyderabad |
| **Areas of Specialization** | Microwave antennas, On-Body antennas,MEMS. |
| **Research Areas** | Wearable Antennas, Biomedical antennas, Vehicular communication, Frequency selective surfaces, Artificial Magnetic conductors, MEMS Switches |
| **Experience** | 04 Years |

| S.No | Institute | Designation | Period |
|---|---|---|---|
| 1 | Koneru Lakshmaiah Education Foundation (Deemed to be University) | CSIR-SRF | 1-04-2019 -31-03-2021 |
| 2 | Koneru Lakshmaiah Education Foundation (Deemed to be University) | Project Assistant | 20-03-2017 – 20-03-2019 |

**List of Publications (International Journals):**

**SCI**

1. **Prudhvi Nadh, B.,** Madhav, B. T. P., Siva Kumar, M., Venkateswara Rao, M., & Anilkumar, T. Circular ring structured ultra-wideband antenna for wearable applications. *International Journal of RF and Microwave Computer-Aided Engineering*, e21580.

2. **Prudhvi Nadh, B.,** Madhav, B. T. P., Siva Kumar, M., Venkateswara Rao, M., & Anilkumar, T. (2018). Asymmetric Ground Structured Circularly Polarized Antenna for ISM and WLAN Band Applications. *Progress In Electromagnetics Research*, *76*, 167-175.

3. **Prudhvi Nadh,B,** Madhav, B. T. P., & Kumar, M. S. (2019). Design and analysis of dual band implantable DGS antenna for medical applications. *Sādhanā, 44*(6), 131.

4. **Prudhvi Nadh, B.,** Madhav, B. T. P., Siva Kumar, M., Anilkumar, T., Venkateswara Rao, M., & Kishore, P. V. V. (2020). Windmill-shaped antenna with artificial magnetic conductor-backed structure for wearable medical applications. *International Journal of Numerical Modelling: Electronic Networks, Devices and Fields*, e2757.

5. Madhav, B. T., Rajiya, S., **Nadh, B. Prudhvi**., & Kumar, M. S. (2018). Frequency reconfigurable monopole antenna with DGS for ISM band applications. *Journal of Electrical Engineering*, *69*(4), 293-299.

6. Anilkumar, T., Madhav, B. T. P., Rao, M. V., & **Nadh, B. Prudhvi**. (2020). Bandwidth Reconfigurable Antenna on a Liquid Crystal Polymer substrate for Automotive Communication Applications. *AEU-International Journal of Electronics and Communications*, 153096.

7. Venkateswara Rao, M., Madhav, B. T. P., Anilkumar, T., & **Prudhvinadh, B.** (2020). Circularly polarized flexible antenna on liquid crystal polymer substrate material with metamaterial loading. *Microwave and Optical Technology Letters*.

8. Rao, M. V., Madhav, B. T. P., Anilkumar, T., & **Nadh, B. Prudhv**i. (2018). Metamaterial inspired quad band circularly polarized antenna for WLAN/ISM/Bluetooth/WiMAX and satellite communication applications. *AEU-International Journal of Electronics and Communications*, *97*, 229-241.

9. Prasad, G. R., Madhav, B. T. P., Pardhasaradhi, P., Devi, Y. U., **Nadh, B. Prudhvi.,** Anilkumar, T., & Rao, M. V. (2021). Concentric Ring Structured Reconfigurable Antenna using MEMS Switches for Wireless Communication Applications. *Wireless Personal Communications*, 1-22.

## SCOPUS

1. Gundu, R.P., Saradhi, P.P., Madhav, B.T.P., **Nadh, B.P**.Frequency reconfigurable lungs-shaped microstrip antenna using pin diodes and annular ring. "*International Journal of Innovative Technology and Exploring Engineering*",2019.

2. Sai Ram, C., Ramesh, N.V.K., Madhav, B.T.P., **Prudhvi Nadh, B**.Split ring loaded slotted patch antenna for wimax and X-band applications. "*International Journal of Innovative Technology and Exploring Engineering"*,2019

3. Shaik, A., Madhav, B.T.P., Moorthy, S., **Nadh, B.P**.Design of a bandpass filtenna with improved bandwidth response using DGS. "*International Journal of Recent Technology and Engineering*".2019

4. Mohan Reddy, S.S., Manjusha, A., Kumari, K.A., Madhav, B.T.P., **Nadh, B.P**. Circular ring loaded flower shaped antenna for triple band applications. "*International Journal of Engineering and Advanced Technology*",2019.

5. Sree, C.S., **Prudhvi Nadh, B**., Madhav, B.T.P.A new monopole antenna design for ISM band coverage. "*International Journal of Recent Technology and Engineering*",2019

6. Deepthi, C.H., Rama Krishna, T.V., Madhav, B.T.P., **Prudhvi Nadh, B**.Planar monopole antenna with compact EBG for wireless body area network (WBAN) applications. "*International Journal of Recent Technology and Engineering"*,2019.

7. Dharani, K., Rajesh, V., Madhav, B.T.P., **Prudhvi Nadh, B**.Reconfigurable monopole antenna for WLAN/ bluetooth/ ISM/GPS/ LTE applications. "*International Journal of Recent Technology and Engineering*",2019.

8. Najumunnisa, M.D., Khan, H., Madhav, B.T.P., **Nadh, B.P**., Inthiyaz, S.4 X 4 element MIMO antenna with notch band characteristics for WLAN applications. "*ARPN Journal of Engineering and Applied Sciences*",2019

9. Anilkumar, T., Madhav, B.T.P., Hawanika, Y.S., Venkateswara Rao, M., **Prudhvi Nadh, B.**Flexible liquid crystal polymer based conformal fractal antenna for Internet of Vehicles (IoV) applications. "*International Journal of Microwave and Optical Technology*",2019.

10. Kolusu, S.S.R., Modala, A.B., Madhav, B.T.P., **Nadh, B.P**.Concentric circular ring loaded triple band antenna for wireless applications. "*International Journal of Intelligent Engineering and Systems*",2019.

11. Teja Babu, K., Syam Sundar, P., Madhav, B.T.P., **Prudhvi Nadh, B**., Kotamraju, S.K.Dual notch UWB monopole antenna with u-shaped slots. "*ARPN Journal of Engineering and Applied Sciences*",2019.

12. Madhav, B. T. P., Monika, M., Kumar, B. S., & **Prudhvinadh, B**. (2019). Dual band reconfigurable compact circular slot antenna for WiMAX and X-band applications. *Radioelectronics and Communications Systems*, *62*(9), 474-485(Scopus).

13. Madhav, B. T. P., **Nadh, P.B,** Kumar, A., Pardhasaradhi, P., Rao, M. C., & Lakshman, P. (2020). Frequency Reconfigurable Split Ring Antenna for LTE And WiMAX

Applications. *International Journal of Electronics and Telecommunications*, *66*(2), 255-260(Scopus).

14. **Prudhvi Nadh B**, Reddy, S. M., Rao, P. M, Madhav, B. T. P., & Kumari, K. A. (2018). Design and Analysis of Compact Circular Half-Ring Monopole Antenna with DGS. In *Smart Computing and Informatics* (pp. 221-231). Springer, Singapore.

15. **Prudhvi Nadh B**, Reddy, S. M., Rao, P. M., Madhav, B. T. P. (2018). Design and Analysis of Circular Notch Band DGS Monopole Antenna. In *Proceedings of 2nd International Conference on Micro-Electronics, Electromagnetics and Telecommunications* (pp. 409-417). Springer, Singapore.

16. Reddy, S. M., Madhav, B. T. P., Kumari, K. A.,**B Prudhvi** , Praveen, M. V. S., Hemachand, M., & Mounika, E. (2018). Arc-Shaped Monopole Liquid-Crystal Polymer Antenna for Triple-Band Applications. In *Microelectronics, Electromagnetics and Telecommunications* (pp. 797-806). Springer, Singapore.

17. Reddy, S. M., Sanjay, B., Kumari, K. A., Madhav, B. T. P., & **Nadh, B. Prudhvi.** (2021, February). MIMO Dual Sensing Antenna with Notch Characteristics. In *Journal of Physics: Conference Series* (Vol. 1804, No. 1, p. 012194). IOP Publishing.

18. Madhav, B. T. P., Vani, J., Priyanka, R. R., **Nadh, B. P**., & Rao, M. C. (2021, February). Concentric Ring Loaded Monopole Antenna with AMC Backed forWearable Applications. In *Journal of Physics: Conference Series* (Vol. 1804, No. 1, p. 012191). IOP Publishing.

| **Total Publications** | **SCI Indexed** | **Scopus INDEXED** |
|---|---|---|
| 27 | 9 | 18 |

**Scopus ID: https://www.scopus.com/authid/detail.uri?authorId=57209266692**

**ORCID ID: https://orcid.org/0000-0002-0279-1198**

**Achievements / Awards etc.,**

1. Awarded with **Senior Research Fellow** from Council of Scientific and Industrial Research **(CSIR)** and funded with Fellowship of **Rs:10,14,400/- Govt. of India**, from April 2019-21**.**
2. **Gate Qualified : March 2014.**
3. **Won best paper award in ATMS 2019 held at Chennai.**

**Dr B Prudhvi Nadh**