



DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE Affiliated to JNTU Kakinada)

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FACULTY POSITION

Name Of The Faculty: Mohammad Najumunnisa

Designation: Assistant Professor

Date Of Joining: 20-02-2025

Nature Of Association: Regular

Email & Phone no: mohammednazia440@gmail.com

Department: Electronic And Communication Engineering



Education background: 1. PhD from Koneru Lakshmaiah Education Foundation, Vijayawada
2. Mtech (Radar And Communication systems) From Koneru Lakshmaiah Education Foundation Vijayawada
3. Btech (ECE) From Nimra Institute Of Science And Technology, Ibrahimpatnam.

Areas Of Specification: Communication, Image Processing, Microwave Imaging.

Experience: 2 months

Sl.no.	Institute	Designation	Period
1	DhaneKula Institute Of Engineering And Technology	Assistant Professor	20-02-2025 to till date

List Of Publications:

1. Md Najumunnisa, Habibulla Khan, B T P Madhav, B prudhvi Nadh, Syed Inthiyaz, 4 X 4 Element Mimo Antenna With Notch Band Characteristics For Wlan Applications, ARPN Journal of Engineering and Applied Sciences, Vol. 14, No. 22, November 2019.-SCOPUS-Q3
2. Najumunnisa, M.; Sastry, A.S.C. Madhav, B.T.P. Das, S.; Hussain, N. Ali, S.S.; Aslam, M. A Metamaterial Inspired AMC Backed Dual Band Antenna for ISM and RFID Applications. Sensors 2022, 22, 8065. <https://doi.org/10.3390/s22208065>-SCI-Q1
3. Najumunnisa, M., Sastry, A. S. C. S., Madhav, B. T. P., Islam, T., & Das, S. (2023). Compact and innovative microstrip patch antenna with enhanced microwave circuit performance for RFID applications. Journal of Nano- and Electronic Physics, 15(5), 05024-1-05024-05026. [https://doi.org/10.21272/jnep.15\(5\).05024](https://doi.org/10.21272/jnep.15(5).05024) SCOPUS-Q3
4. Najumunnisa, M., Sastry, A. S. C. S., Madhav, B. T. P., (2024). Localization of dielectric anomalies with multi-level outlier detection through membership function and ensemble

classification framework. Scalable Computing Practice and Experience, 25(3), 1681–1701. <https://doi.org/10.12694/scpe.v25i3.2713> SCI-Q3

5. Najumunnisa, M., Sastry, A. S. C. S., Madhav, B. T. P., & Rashed, A. N. Z. (2024). Enhanced antenna system for non-invasive quality assessment and defect identification in fruits: Uniting tomographic image reconstruction with FTIR spectroscopy. Food Analytical Methods, 17(6), 878–900. <https://doi.org/10.1007/s12161-024-02621-w> SCI-Q1

6. Najumunnisa, M., Sastry, A. S. C. S., Madhav, B. T. P., Advanced Dielectric Anomaly Detection For Non-Destructive Fruit Inspection Using Electromagnetic Microwave Technique. International Journal on Recent and Innovation Trends in Computing and Communication

NATIONAL LEVEL PATENT

1. Najumunnisa M., Sastry, A. S. C. S., Madhav, B. T. P., A Metamaterial Inspired AMC Dual Band Antenna for LTE and WIFI Applications, National level patent, 21/5/223, 2234135352
2. Saline Monitoring System, National level patent, 202441059220, 09/08/2024.
3. 3 ZONE HEATERS DESIGN FOR PHOTOLAMINATING MACHINE, 202241026420 A, 20/05/2022

Md. Najumunnisa