



DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE Affiliated to JNTU Kakinada)

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FACULTY PRPOFILE

Name of the Faculty Dr.N.Vijaya Ratnam

Designation Assistant Professor

Date of Joining 28-05-2024

Nature of Association Regular

Email & Phone No vijayaratnam5177@gmail.com

Department Electronics and Communication Engineering

Educational Background
1. Ph.D at NITK, Surathkal (optical communication)
2. M.Tech (Communication and networks) from NITRKL, Rourkela
3. B.Tech (ECE) from Gudlavalleru engineering college, Gudlavalleru

Areas of Specialization Communication and networks

Research Areas Optical Communications

Experience 6.5 Years



Sl. No	Institute	Designation	Period
1	DhaneKula Institute of Engineering & Technology, Ganguru	Assistant Professor	28-05-2024 - till date
2	Sri Vasavi Institute of Engineering and Technology, Nandamuru	Assistant Professor	04-10-2021 – 25-05-2024
3	VIT, College of Engineering, Bhimavaram	Assistant Professor	1-06-2015 – 11-06-2018
4	Priyadarshini engineering college, Nellore	Assistant Professor	1-06-2014 – 11-05-2015

List of Publications (National and International Journals):

1. Nallagonda, Vijaya Ratnam, and Prabu Krishnan. "Performance analysis of FSO based inter-UAV communication systems." *Optical and Quantum Electronics* 53.4 (2021): 1-20. :-Published.
2. Nallagonda, Vijaya Ratnam, and Prabu Krishnan. "Bit error rate analysis of polarization shift keying based free space optical link over different weather conditions for inter unmanned aerial vehicles communications." *Optical and Quantum Electronics* Doi: 10.1007/s11082-021-03188-0: -Published.
3. Nallagonda, Vijaya Ratnam, and Prabu Krishnan. "BER Analysis of Ground-to-HAP Free-Space Optical Communications Using Coded POLSK in Various Weather Conditions." *Optical and Quantum Electronics*: - Published.
4. G. RAMA KRISHNA, VIJAYA RATNAM. N "Implementation of Linear Time Varying Channels for Effective Mitigation of Inter Carrier Interference in OFDM System Model".
5. Vijaya Ratnam; Bhargava Kumar L; Prabu Krishnan" Performance Analysis of HAP-UWOC Systems with DF Relaying" for possible publication in Journal of Ambient Intelligence and Humanized Computing." - Under Review.

Achievements / Awards etc.,

1. **Gate Qualified** : **December 2012.**
2. **TTDF** : **Stage -I cleared**
3. **FDP's Attended** : **4**
4. **STTP's** : **5**
5. **NPTEL Course** : **2**

Dr.N.Vijaya Ratnam