Name: Dr. PRADEEP KUMAR
Designation: Assistant Professor
Department: Electronics and Communication Engineering
Mail ID: pradeepkumar@vnrvjiet.in
Experience (inyears):8   Teaching:7   Research: 2 Others(if any, specify):

1. Educational / Technicalqualifications:

S.No.	Level (UG / PG)	Year of passing	Specialization
1	Ph. D	2022	ECE
2	M. Tech	2016	Advanced Communication Systems
3	B. Tech	2012	ECE
4	Intermediate	2007	PCM
5	High School	2005	Science

2. Teaching andLearning:

2.1. Teaching Interests: Deep Learning, Digital Electronics, Signals and Systems, EMTTL, Control System, Analog Communication, Digital Communication, Electromagnetic Field Theory and Transmission Lines, Wireless Communication, Software Defined Radio, Wireless Sensor Network.

2.2.Novel Teaching & Learning Techniques adopted: WIT &WILL, Chalk and Talk ,Project Based Learning, PPT, Blooms Taxonomy and POGIL

2.3.Involvement in curriculum updating / Design: Updated Lab manualS

3. Co-curricular and Extra-CurricularActivities

3.1.Interests and Hobbies: Reading technical papers, playing kabaddi

3.2.CCA/ECA Organized: Conducted Technical seminars for B.Tech final years student, Updated the details of first year student on CAMS, Conducted Project Work Review, Comprehensive Viva and Technical Seminars, for B.Tech final year's student, helped for admissions

3.3.CCA/ECAparticipated:

1. Got 2nd prize in Poster Display event held at Meerut Institute of Technology.

2. Got 1st prize in Major Project event held at Meerut Institute ofTechnology.

3. Got selected for the final round of FOX HUNT event in TECHNOZION-2014 held at NIT Warangal.

4. Event Organizer of Annual day Celebration and other Technical events in school and college.

5. Life time member of International Association of Engineers (IAENG)

6. Convergence 2K19-Hardware Hackathon

7. Received Best Paper Presentation Award in International Conference.

8. Life time member of the Indian Society for Technical Education (ISTE)

3.4. Counseling and Mentoring Activity: Conducted extra class for weak student, Mentoring I, II, III and IV B. Tech students.

3.5.Committees involved in:

Department level: To maintain the publications details of faculty.

Spoken Tutorial Coordinator

Institute Level: Nil

4. Conference / Workshop / Seminar / Guest Lectures:

4.1.Conducted: Workshop on PCB Design, Several FDPs in collaboration with E & ICT NIT Patna

4.2.Attended:

1. Workshop on Software defined radio at NITW

2. Workshop on Software defined radio at NITW, Workshop on MATLAB

3. Two day National seminar on "Recent Trends in Laser Technology Its Applications"

5. Academic Contribution and Research &Consultancy:

5.1.Invited Lectures:2

5.2.Articles/Chapters published in Books:3

5.3.Books published as single author or as editor:Nil

5.4.Projects Guided:

    a)UG:7

    b) PG: 4

5.5.Research Interests: WirelessCommunications

5.6.Ph.D students:

    a) Enrolled:Nil   b)Submitted:Nil   c) Awarded: Nil

5.7.Papers published in reviewed journals:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
1	A Novel Face Detection And Recognition System Using Hybrid Skin ColorModel	International Journal of Advanced Research in Computer and Communication Engineering Vol. 5, Issue 8, August 2016	SN(Online) 2278-1021 SSN (Print) 2319 5940	5.947	International
2	Semi Blind Channel Estimation with BCJR Algorithm in OFDM Systems	PENSEE International Journal, vol. 50, Issue 12, pp. 1706-1709, December 2020	00314773	6.0	International
3	End-to-end improved convolutional neural network model for breast cancer detection using mammographic data.	The Journal of Defense Modeling and Simulation December 2020. doi:10.1177/1548512920973268	15485129	0.877	International
4	Recasted nonlinear complex diffusion method for removal of Rician noise from breast MRI images	The Journal of Defense Modeling and Simulation. October 2021. doi:10.1177/15485129211052284	15485129	0.877	4

5	A Novel Bi-Modal Extended Huber Loss Function Based Refined Mask RCNN Approach for Automatic Multi instance Detection and Localization of Breast Cancer	Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, May 2022. https://doi.org/10.1177/09544119221095416	09544119	1.617	5
6	CNN based Denoising of Mammographic Images using Modified Anscombe Transform	Proceedings- Journal of Biological Engineering Research and Review, 2021	2349-3232	0.5	6

5.8.Papers presented at National / International Conferences:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Better than improved sine power pulse for inter carrier interference reduction in OFDMsystem	ICCSP-2016	ernational (IEEE)	6-8 April 2016
2	Modified improved sine power pulse for inter carrier interference reduction in OFDMsystem	RTEICT -2016	ernational (IEEE)	20-21 May 2016
3	Impact of primary Users Duty Cycle on Optimum Spectrum Sharing in Cognitive Radio Systems	9th International Conference on Computing, Communication and Networking Technologies (ICCCNT), IIScBanglore	International (IEEE)	10-12 July 2018
4	Surface and Optical Characterization of TIO_2 thin films deposited by RF Sputtering	2nd International Conference on Nano Science &Enginnering Applications - 2018, JNTUH, India	International	October 4-6, 2018
5	Optimal Bayesian Estimation Framework for Reduction of Speckle Noise from Breast Ultrasound Images	International Conference on Innovation in Cyber Physical Systems (ICICPS-2020) New Delhi, 22-23 October 2020	International	22-23 October 2020

5.9. Sponsored research Projects:Nil

5.10. Consultancy Projects: Nil

6. Awards / Honors received:
- Secured a score of 686 in GATE 2014
- Reviewer of Internation Journal of Communication Systems
- Reviewer of IET Communications
- Got merit certificate in AICTE sponsored STTP
- Got best paper presentation award in international conference
- Reviewer of JDMS

7. Motto: To be in a leadership position, obtain professional satisfaction and contribute something for the society.