Name: **Dr. V PRIYANKA BRAHMAIAH**
Designation: Assistant Professor
Department: ECE
Mail I'd:priyanka_v@vnrvjiet.in
Experience (in years): 12   Teaching: 12   Research: 6
Others(if any, specify):

1. **Educational / Technical qualifications:**

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	Ph.D	2021	Bio-Medical Signal Processing
2	M. Tech	2010	VLSI SYSTEM DESIGN
3	B. Tech	2007	ECE
4	Secondary (10+2)	2003	MPC
5	10th	2001	Maharashtra State Syllabus

2. **Teaching and Learning:**
   2.1. Teaching Interests: VLSI Design. Electronic Devices and Circuits, Pulse and Digital Circuits, Analog Communications, Bio-Medical Instrumentation, Computer Organization.
   2.2. Novel Teaching & Learning Techniques adopted: WIT and WIL, Discussion Method, Brain storming, Mind mapping, POGIL
   2.3. Involvement in curriculum updating / Design: NA

3. **Co-curricular and Extra-Curricular Activities**
   3.1. Interests and Hobbies: Coins & Match Boxes Collection
   3.2. CCA/ECA Organized: Technical fest Convergence faculty coordinator, IEEE activities held in institute, Women's Day Celebration in the institute.
   3.3. CCA/ECA participated: Participated in Sports Under faculty in institute, Women's Day Celebration in the department.
   3.4. Counseling and Mentoring Activity: 20 Students of Undergraduate in ECE stream
   3.5. Committees involved in:
   - Department level: NBA work -Student Internships, Professional Bodies Activities: IETE,ISTE and IEEE.
   - Institute Level: Branch Counselor IEEE Student Branch of VNR VJIET, ISTE Awards committee member, IEEE IACC 2017 conference Finance committee member, Convergence 2k18,2k19 faculty coordinator, Annual Day faculty coordinator under refreshment committee, Faculty Advisor of Vignana Vartha News Bulletin.

4. **Conference / Workshop / Seminar / Guest Lectures :**
   4.1 Conducted: IEEE IACC 2017, Activities under IETE,ISTE and IEEE.
   4.2 Attended: Several workshops related to technology and teaching learning methods.

5. **Academic Contribution and Research & Consultancy:**
   5.1.Invited Lectures:
   - Delivered an expert talk on Digital Content for VNRVJIET Faculty and Staff. The session was part of 7-day FDP on "In-House Training on Video Content Development", conducted on 20th to 25th July 2020.
   - Delivered an expert talk on Digital Content for VNRVRS VJ School Faculty. The session was part of 7-day FDP on "In-House Training on Video Content Development", conducted on 27th July to 1st August 2020.

- Delivered an expert talk on Digital Content for VJIM Faculty and Staff. The session was part of 7-day FDP on "In-House Training on Video Content Development", conducted on 22nd to 27th June 2020.
- A session on Utilization of Digital Platforms was delivered in the FDP program of Digital Transformation conducted by IEEE WIE Hyderabad Affinity Group on 5th -8th July 2021.
- Delivered a talk on " Sensors and Importance of Sensors Council" in Vardhaman Engineering College on 20th & 21st October 2021. The talk was part of a two-day workshop on The Role of Sensors in Industrial Automation.

5.2. Articles/Chapterspublished inBooks: NA

5.3. Books published as single author or as editor: 01
- Dr.V.Priyanka Brahmaiah, Dr.Y.Padma Sai Published a book titled," Detection of Epileptic Seizure in Early stage: Using Electrooculogram Signals" in LAP LAMBERT Academic Publishing on January 4, 2022. Publication details are as follows : ISBN-10 : 6204734946, ISBN-13 : 978-6204734941

5.4. Projects Guided :
    a) UG : 15 related to present and mesmerizing technologies
    b) PG : 10 related to present technologies

5.5. Research Interests : Bio Medical Signal Processing.

5.6. Ph.D students :
    a) Enrolled :
    b) Submitted:
    c) Awarded:

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	FPGA Implementation of Electrooculogram using Discrete Wavelet Transform	International Journal of Electronics and Communication Engineering Volume 5, Number 3 (2012), pp. 304-310	ISSN 0974-2166	1.5	International
2	Built-In-Self-Repair for Embedded RAMS with PMBIST or Efficient Fault Coverage	International Journal of Advances in Engineering & Technology. Vol: 6, Issue:5 (2013), Page No: 2262-2273	ISSN: 22311963	1.8896	International
3	Study on Comparison of Various Multipliers	International Journal of Electronics and	ISSN 0976 – 6464(Print),	5.8896	International

		Communication Engineering & Technology Volume 4, Issue 5, September – October, 2013, pp. 132-142	ISSN 0976 – 6472(Online).		
4	Universal Modulator Using Cordic Algorithm For Communication Application	International Journal of Advances in Engineering & Technology Vol: 6, Issue: 6 (2014), Page No: 2480-2488	ISSN: 22311963	1.8896	International
5	FPGA Implementation of Lossless Compression of Medical Images Using VLSI – Oriented Felics Algorithm	International Journal of Research in Information Technology Vol: 1, Issue: 12 (2013), Page No: 264-273	ISSN: 2001-5569	1.9	International
6	Implementation and Analysis of an Electrooculography (EOG) Signal on FPGA	International Journal of Advanced Engineering Research and Technology (IJAERT) Volume 5 Issue 11, November 2017	ISSN No.: 2348 – 8190	Google Scholar	International
7	Performance and Analysis of EOG Signal through Eye Movements	Jour of Adv Research in Dynamical & Control Systems, Vol. 10, 14-Special Issue, 2018	ISSN 1943-023X	ESCI	International
8	Design & Verification of Serial Peripheral Interface (SPI) Protocol	J-International Journal of Recent Technology and Engineering (IJRTE), Volume-8 Issue-6, March 2020	ISSN: 2277-3878	6.04	International

S.No	Title of the Paper				
9	MAYDAY, A WOMEN SAFETY DEVICE	J-Advanced Science Letters Volume-26,Number 5 May 2020	E-ISSN:1936-7317	5.1	International
10	V.Priyanka Brahmaiah, Y.Padma Sai and M.N.Giri Prasad," A New Framework for Recognizing Normal and Epileptic Seizure from Eye Movement Signals Using Genetic Based Convolutional Neural Network",	Traitement du Signal, Volume 37, Number 3	August 2020	Indexed in SCIE	International
11	FPGA Implementation of ALU using Reversible Logic Gates	International Journal of Modern Education and Computer Science.	Accepted	Indexed in Scopus	International
12	Accurate and Efficient Differentiation Between Normal and Epileptic Seizure of Eyes Using 13 Layer Convolution Neural Network	Traitement du Signal, Volume 38, Number 4, 2021 PP: 1161-1169	August 2021	Indexed in SCIE Impact Factor (JCR) 2.589	International

5.8.Papers presented at National / International Conferences :

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Telugu Text to Speech System for Mobile Based Systems	Fifth International Conference on Recent Trends in Information, Telecommunication and Computing – ITC 2014	International	Mar 21-22, 2014, Chandigarh, India
2	Speech Emotion Recognition by MFCC Coefficients and Support Vector Machines	First International Conference on Large Area & Flexible Microelectronics	International	December 18 -20, 2014, Bangalore
3	Finger Snap based Biometric	XRCI Open 2015	International	January 21-22,2015 at Xerox, Banglore.

	Authentication Mechanism			
4	Cough classification tool for early detection and Recovery monitoring of tuberculosis and asthma	IEEE conference on Computing, Communication and Sensor Network	International	24-25th December 2017, Kolkata, India
5	Implementation of Speech Based Stress Level Monitoring System	IEEE conference on Computing, Communication and Sensor Network	International	24-25th December 2017, Kolkata, India
6	Design of Carry Save Adder Using Subthreshold Dual Mode Logic	IEEE conference on Computing, Communication and Sensor Network	International	24-25th December 2017, Kolkata, India
7	Data Acquisition System Of Electrooculogram	2017 IEEE 7th International Advance Computing Conference	International	4th-7th Jan 2017,Hyderabad,India
8	Design of power management unit using mixed voltage buffer	2017 IEEE 7th International Advance Computing Conference	International	4th-7th Jan 2017,Hyderabad,India
9	Role of Artificial Intelligence-Robots during COVID-19 Pandemic and its Technological limits: A Review	International Conference on Artificial Intelligence: Theory & Applications AITA-2021	International	23-24th December 2021, Dept. of ECE, NIT Patna, India

5.9. Sponsored research Projects:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed

5.10 Consultancy Projects:

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed

6. Awards / Honors received: Stood first in Design Thinking competition conducted in our institute

7. Motto: To work in challenging environment as an active member in a team towards the accomplishment of Institutional goals and to achieve success in my career and prove to be an asset to the organization.