Name: **D. Ramesh Reddy**
Designation: Assistant Professor
Department: Electronics and Communication Engineering
Mail I'd: rameshreddy_d@vnrvjiet.in
Experience (in years): 8   Teaching: 5   Research: 6
          others (if any, specify): Nil

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	Ph.D (NIT-Warangal)	On-going	--
2	PG-Diploma	2021	Post-Graduation Diploma in Educational Technology Management (PGDETM)
3	M.Tech.	2012	Embedded Systems
4	B. Tech.	2010	Electronics and Communication Engineering

2. Teaching and Learning:
   2.1. Teaching Interests: IoT, Machine Learning, Digital Electronics, Basic Electronics, Analog Communication, Digital Communication,Microprocessors and Microcontrollers, Embedded Systems, Real Time Operating Systems, Embedded Systems, Real Time Operating Systems, IOT.
   2.2. Novel Teaching & Learning Techniques adopted: WIT & WIL
   2.3. Involvement in curriculum updating / Design: Nil

3. Co-curricular and Extra-Curricular Activities
   3.1. Interests and Hobbies: Micro Controller Projects, Cricket, Reading Books.
   3.2. CCA/ECA Organized: ECE Coordinator for Open house Project's Expo 2015, 2016 and 2017.
   3.3.CCA/ECA participated: Nil
   3.4. Counseling and Mentoring Activity: Mentoring 1st Year Students.
   3.5.Committees involved in:
       Department level: Open House Coordinator at department level, MTech Project Review Committee. In charge for Weekend Projects Lab, Internt of Things Lab.
        Institute Level: Nil

4. Conference / Workshop / Seminar / Guest Lectures :
   4.1.Conducted:
   1. Organized IEEE VNR SB CAS CHAPTER "A Virtual Webinar on IoT" as Faculty Co-ordinator from 18-06-2020 to 24-06-2020.
   2. Conducted workshop on " IOT Applications" in Convergence 2018 at VNRVJIET.
   3. D. Ramesh Reddy Assistant Professor Dept. of ECE, acted as a resource person for three days refresher course on Internet of Things Scheduled from 12-05-2022 to 14-05-2022 at Bheema Institute of Technology Science, Adoni, Kurnool, Andhra Pradesh
   4.2.Attended:
   1. An International Expo& Conference on AI, IOT & Robotics by Ministry of Electronics and Information technology government of India and Telangana.
   2. The AIR-Summit held at HICC on October 10th-12th 2017.
   3. DEFTRONICS-2017 held at Park Hyatt Hyderabad.

4. A Two day ITRA-Water Closure Workshop from 10th- 11th July 2017 inIIT Hyderabad.
5. Attended Conference on IOT, Current and Future Trends Organized by Confederation of Indian Industry.
6. Attended 6-day workshop on "Internet of Things (IOT)" during Feb 27-March 4, 2017, National Institute of Technology and Warangal.
7. IE EE Blended Learning Course on Embedded Systems
8. D. Ramesh Reddy, Assistant Professor of VNR VJIET participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Sensors Technology" from 2020-8-17 to 2020-8-21 at St.Joseph's Institute of Technology.
9. D Ramesh Reddy Assistant Professor participated as program committee member and reviewer in the 2022 IEEE World Conference on Applied intelligence and Computing (AIC 2022) held during June 17-19, 2022.
10. D Ramesh Reddy Assistant Professor, dept. Of ECE, VNRVJIET mentored IEEE WIE PBL School studnets for writing research paper and awarded with third prize.
11. D. Ramesh Reddy presented a research paper titled "Design and Development of Pulse Oximeter Using Internet of Things" at the "6th International Conference on Intelligent Computing and Control System"(ICICCS 2022) on 26th May 2022.

5.Academic Contribution and Research & Consultancy:

5.1. Invited Lectures: 6

- Delivered a Lecture session as a Resource person for IEEE VNR SB CAS CHAPTER "A Virtual Webinar on IoT"on "Hands on session using IoT" at VNR VJIET-Hyderabad on 25-06-2020.
- Delivered a Lecture session as a Resource person for IEEE VNR SB CAS CHAPTER "A Virtual Webinar on IoT"on "Hardware and Applications of IoT" at VNR VJIET-Hyderabad on 24-06-2020.
- Delivered a Lecture session as a Resource person for DST Sponsored work shop on "Basics of Internet of Things and its applications" at MANUU-Hyderabad on 02-12-2019.
- Delivered lecture session as a Resource Person for UGC sponsored three week refreshment courses on "Introduction to Arduino Board" at UGC Human Resource development center, JNTU-Hyderabad on 09-10-2017.
- Delivered lecture session as a Resource Person for UGC sponsored three week refreshment courses on "Introduction to Raspberry PI Board" at UGC Human Resource development center, JNTU-Hyderabad on 17-10-2017.
- Delivered lecture session as a Resource Person for UGC sponsored three week refreshment courses on "Sensor Interfacing to Raspberry PI" at UGC Human Resource development center, JNTU-Hyderabad on 24-10-2017.

5.2. Articles/Chapterspublished inBooks: Nil

5.3. Bookspublishedassingleauthororaseditor: Nil

5.4. Projects Guided:
a) UG: 23
b) PG: 11

5.5. Research Interests: Embedded System Applications, IoT, Machine learning.

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	Water Quality Measurement Using Hybrid Sensors	International Journal of Science and Research(IJSR) Volume 3 Issue 12, December 2014	ISSN: 2319-7064	Google Scholar 3.358	International
2	Water Quality Monitoring And Controlling In Irrigation Using Zigbee Technology	International Journal of Science, Engineering and Technology Research (IJSETR) Volume 4, Issue 1, January 2015	ISSN: 2278 – 7798	Google Scholar NA	International
3	Raspberry Pi Based Surveillance & Live Monitoring Robot	International Journal of Advanced Technology and Innovative Research	ISSN 2348–2370	Google Scholar NA	International
4	Smart Glasses for Blind - A Personal Assistant using Computer Vision, Artificial Intelligence	AutAut Research Journal	ISSN NO: 0005-0601	Google Scholar	International
5	Smart Navigation System with Pavement Hole Estimation using Clustering Technique	J - International Journal of Emerging Trends in Engineering Research	ISSN No.2347-3983	Scopus	International

5.8. Papers presented at National / International conferences:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Design and Implementation of Wireless Sensor Node for Water Quality Monitoring System	IEEE 4th International Conference on Computing, Communication and Sensor Network (CCSN-2015)	International	2015
2	Implementation of Wireless Sensor	IEEE 4th International Conference on Computing,	International	2015

	Network for Water Quality Measurements	Communication and Sensor Network (CCSN-2015)		
3	Development of IVRS for water quality parameters	IEEE 4th International Conference on Computing, Communication and Sensor Network (CCSN-2015)	International	2015
4	Internet of Things Based Pothole Detection System using Kinect Sensor	2019 Third International conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud)(I-SMAC)	International	2019
5	Plant Growth Prediction and Analysis using CNN with Suitable Activation Function	J- Sambodhi (UGC Care Journal) July-September (2020)	International	2020
6	Smart Saline Monitoring System for Automatic Control Flow Detection and Alertness Using IoT Application.	Congress on Intelligent Systems. CIS 2020. Advances in Intelligent Systems and Computing - In: Sharma H., Saraswat M., Yadav A., Kim J.H., Bansal J.C. (eds) and vol 1335. Springer, Singapore. https://doi.org/10.1007/978-981-33-6984-9_59	International	2021
7	Design and Development of Pulse Oximeter Using Internet of Things	6th International Conference on Intelligent Computing and Control Systems (ICICCS) - 2022	International	2022

5.9. Sponsored research Projects:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed
1	Mobile Image Position and Performance Acquisition System	X_Design Ventures Pvt. Ltd, Hyderabad	18-07-2011 to 18-12-2013	Rs.15,00,000/-	Completed
2	Development of effective Wireless Sensor Network system for water quality and quantity monitoring (AquaSense)	ITRA, Media Lab Asia, Delhi	5 Yrs (Jan. 2014-Dec. 2019)	30.18 Lakhs	Completed

5.10 Consultancy Projects:

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed

1	"ROI_Booster"	Mira Consulting Inc Sdn Bhd, Kuala Lumpur, Malaysia,	Phase-I:16-3-2014 to 14-05-2015.	Rs.7,80,000/-	Completed
2	Developing VR Tour Warangal Heritage Sites	HRIDAY	2019-2020	Rs. 10,00,000/-	Completed
3	Design and Development of Machine Learning based IoT Device for Screening ofSalt Tolerance in Plants	TSCOST		Rs. 5,00,000/-	Submitted
4.	Test bed for measurement of Air pollution in Telangana using Machine learning algorithms and IOT	TSCOST		Rs. 5,00,000/-	Submitted
5	Screening of salt tolerance in plants using IoT and Machine Learning	MSME		Rs. 18,00,000/-	Sanctioned

6.Awards / Honors received:

1)Top 2% Percent in India for Introduction to Internet of Things Course in NPTEL.

2)Best Paper Award in the catergery of Internet it Things and Applications for the paper entitled "Smart Saline Monitoring System for Automatic Control Flow Detection and Alertness using IoT Applications" in Congress on Intelligent Systems held online during September 05-06, 2020 in india.

3)Received outstanding paper award for the paper entitled "Design and Development of an IoT based smart medication device" in 10th international Conference on Soft Computing for problem Solving (SocProS-2020).

4)D. Ramesh Reddy Asst. Prof. Dept of ECE received a sanction of Rs. 18 lakhs (Govt. of India 12.75 lakhs and 5.25 from Startup) from "MSME- Govt. of India" under "MSME Innovation Scheme" for his Ph.D. research work under the guidance of Dr. Prakash Kodali (NIT-Warangal).

5) D Ramesh Reddy Assistant Professor, dept. Of ECE, VNRVJIET mentored IEEE WIE PBL School studnets for writing research paper and awarded with third prize.

7. Motto: Dream Don't Work Unless You Do.