



Name: **V A Balakrishna Jakka**

Designation: Assistant Professor

Department: Electronics and Communication Engineering

Mail ID: vabalakrishna_j@vnrvjiet.in

Experience (in years): 10 Teaching: 06 Research: 1 Year Industry: 3 Years

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	M.Tech	2011	DS&SP
2	B.Tech	2008	ECE
3	Secondary (10+2)	2004	MPC
4	10 th	2001	

2. Teaching and Learning:

2.1. Teaching Interests: Embedded Systems, Micro Processors and Microcontrollers, Digital signal Processing, Internet of Things.

2.2. Novel Teaching & Learning Techniques adopted: Nil

2.3. Involvement in curriculum updating / Design: Nil

3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies: Listening Music, Playing Chess.

3.2. CCA/ECA Organized: Nil

3.3. CCA/ECA participated: Nil

3.4. Counselling and Mentoring Activity: Nil

3.5. Committees involved in:

Department level: Infrastructure Committee

Institute Level: Open House, Anti Ragging .

4. Conference / Workshop / Seminar / Guest Lectures :

4.1. Conducted: Delivered a Webinar on “Tinker CAD and Node Red” 10-11 October

Delivered a Webinar on “Introduction to Linux Operating system” on 24-05-2021

Delivered a Webinar on “Introduction to Node JS” on 11-06-2021

Conducted a Two day workshop on “Internet of Things” on 15-16 December 2021.

Conducted a Two day workshop on “Internet of Things” on January 2023.

4.2. Attended:

- Attended Conference on IOT Current and Future Trends in 27th Oct 2016 Organized by Confederation of Indian Industry.
- A two day training on “Instructional excellence in intelligent systems” under the “Intel Collage excellence Program” from 20th- 21st February 2017 in VNR VJIET, Hyderabad.
- A one-week FDP on “Recent trends in signal processing and applications” from 22nd June-1st July 2017 organised by E&ICT Academy, NIT Warangal in VNR VJIET, Hyderabad.
- A Two day ITRA-Water Closure Workshop from 10th- 11th July 2017 in IIT Hyderabad.
- A one-week FDP on “Realtime Embedded systems & IOT its applications” from 27th November-2nd December 2017 organised by E&ICT Academy, NIT Warangal in Institute of Aeronautical engineering , Hyderabad.
- A one-week training on “Instructional Design and Delivery System” organised by National Institute of technical teacher training & research, Chennai from 11th -16th December 2017.

- Attended A FDP on “Foundation Program in ICT for Education” Conducted by IIT Bombay.
- Attended A FDP on “Pedagogy for Online and Blended Teaching-learning process” Conducted by IIT Bombay.
- A Three Day Workshop on “Introduction to System Design IOT Application using Texas Instruments platform” organised by EdGate Technologies Pvt Ltd, from 26th -28th February 2018.
- A Two day Workshop on “IOT and Drones” Organised by VNRVJIET,Hyd in Association with Leadingindia,ai of Bennett University and IEEE.
- "Three Days online workshop on Data Science" on (23rd - 25th) April,2020 by IEEE.
- Hands on session on Latex on 21st May 2020. By IEEE
- Webinar on raspberry pi with open cv On 25-05-2020 By pantech
- Predicting covid-19 pandemic with Machine learning By great learning
- Wireless Connectivity in the 5G Era: WLAN, Bluetooth, ZigBee and NB-IoT in MATLAB - June 16, 2020
- Webinar on Raspberry Pi with OpenCV 25 May 2020
- FDP on “Sensor Networks and IoT” by EICT and NIT Warangal from 26th Aug – 31st Aug 2019 .
- FDP on “3D Printing for industrial and bio medical applications” by EICT and NIT Patna from 02nd Dec – 06th Dec - 2019.
- Atal Five days online FDP on "Internet of Things" by IIIT Nagpur from April 30th – May 04th 2020
- Artificial intelligence and machine learning for engineering applications june 8th -12th 2020
- Completed Coursera Cerification on “Python for Data Science, AI & Development” on july 19 2020
- Coursera IBM Certification on”What is Datascince” on 09/07/2020.
- Coursera IBM Certification on “Python for Data Science and AI” on 19/07/2020
- (ATAL) Academy Online FDP on "Sensors Technology" from 17-21 August Organised by St.Joseph's Institute of Technology.
- Coursera Certification on “Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning” on 13/08/2020
- Online Training Programme on Digital tools for Writing, Authoring & Re-viewing Manuscripts organized by Electronics and ICT Academies from 21st September and 2nd October 2020.
- Coursera Certification on Convolutional Neural Networks in TensorFlow on 05/09/2020
- FDP on “Python Programming”organized by Electronics and ICT Academies from 07-18 September, 2020
- PDP on “Mathematics for Data Science” organised by VNR CSI SC & IEEE CS, from 26-31 October 2020.
- PDP on Basics of Python Programming organised by the Department of ECE, VNRVJIET, Hyderabad in collaboration with VNR IEEE SB and IEEE SPS from 09th -13th November 2020.
- Webinar on “A Paradigm Shift in Content and Intent - A Look into Higher Education” on 21st November, 2020

- (ATAL) Academy Online FDP on "Wearable Devices" from 1-5 February organised by G.Narayanamma Institute of Technology&science.
- Webinar on HPC WORKSHOP organized by IIT Dharwad, IIT Palakkad, and the NSM Nodal Centre for Training in HPC and AI at IIT Madras on 20th and 27th March 2021.
- Completed a Certification Course on “Introduction to Packet tracer” on 26th May 2021.
- Workshop on “IoT with Blockchain” organised by Global institute of engineering and technology on 24/05/2021
- Workshop on “ Traffic prediction for intelligent transportation system using Machine learning” organised by Pantech Elearning and VNRVJIET CSE Department on 28-05-2021
- Webinar on “IoT System” organised by siddarth institute of engineering and technology on 02-06-2021
- One week FDP on Social Robotics & AI organised by EICT during Jun 28th - 04th JUL 2021.
- Topper of 5% in the 12 week course on “Introduction to Internet of Things” conducted by NPTEL during Jul-Oct 2021.
- Course “Raspberry Pi and Python” on Sep-21, 2022 organised by CISCO Thinqubator
- Course on “PCB Architecture and Design” on Sep-22, 2022 organised by CISCO Thinqubator
- FDP on “IoT &ML for Social Relevant Applications” (22nd September 2022-27nd September 2022) Organized by the Department of ECE, NIT Warangal and Dept. of ECE, VNR VJIET, Hyderabad In association with the Center for Continuing Education, NIT Warangal.
- Workshop on “Build an application server” on Jan 09, 2023 organised by CISCO Thinqubator.
- 12 week course on “The Joy Computing using Python” conducted by NPTEL during Jan-Apr 2023

5.Academic Contribution and Research & Consultancy:

5.1. Invited Lectures: Nil

5.2. Articles/Chapters published in Books: Nil

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

5.4. Projects Guided :

a) UG :08

b) PG :01

5.5. Research Interests : Image Processing, Speech Processing, Internet of things, 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	ISBN/ISSN No.	Impact Factor/	National/ International

		Vol.No. PP		Citation Index	
1	Efficient water Quality Monitoring	Vol-6,issue 10	2347-8616		international
2	Data Collection and Performance Analysis of Wireless Communication to improve Quality of Service	Volume-8 Issue-4, November 2019, 11819-11823	2277-3878		international

5.8. Papers presented at National / International Conferences:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Efficient water Quality Monitoring	ICSTM-2017	International	2017

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:

7. **Motto:** The best preparation for tomorrow is doing your best today.