

Name: G. Vamsi Krishna

Designation: Assistant Professor

Department: Electronics & Instrumentation Engineering

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Experience (in years): Teaching: 10 Research: 4 Others:

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	Ph.D. (pursuing)		Control Systems
2	M.Tech	2009	Instrumentation & Control Systems
3	B.Tech	2005	Electronics & Instrumentation Engineering

2 Teaching and Learning:

2.1 Teaching Interests:

Signal Conditioning Circuits, Digital Control Systems. Power Plant Instrumentation, Industrial Instrumentation, Data Acquisition System, Instrumentation Practices in Industries, Virtual Instrumentation, Instrumentation & Control Systems, Sensors and Signal Conditioning

2.2 Novel Teaching & Learning Techniques adopted:

- WIT & WIL
- Videos & Presentations

2.3 Involvement in curriculum updating / Design:

Updated the M.Tech. Syllabus of Signal Conditioning Circuits

3 Co-curricular and Extra-Curricular Activities

3.1 Professional Society Memberships:-

3.2 Interests and Hobbies:

Reading books (English & Telugu), Pencil art, Social networking

3.3 CCA/ECA Organized:

Co-Curricular Activities:

- Faculty Coordinator, Engineer – in – Mirror for III-year B.Tech. (EIE) students (2013 –'14)
- Looked after the Financial Department in Convergence 2k15
- Industrial Visit Coordinator EIE Dept.

Extra-Curricular Activities: –Nil–

3.4 CCA/ECA participated:

Co-Curricular Activities:

- Industrial Visits with students:
- Faculty Associate, Industrial Visit to ITC Limited - Paperboards & Specialty Papers Division., Bollaram, Hyderabad for III year B.Tech. (EIE) students (2013)

- Faculty Associate, Engineer-in-Mirror for III year B.Tech. (EIE) students, at Delta Sigma Automation & Instrumentation Pvt Ltd
- Faculty Associate, Industrial Visit to Kwaliti Photonics, ECIL for II year B.Tech (EIE) Students 2017
- Faculty Associate, Industrial Visit to Ganesh Sugar Industries Pvt Ltd, Sanga Reddy for II year B.Tech (EIE) Students 2017
- Faculty Associate, Industrial Visit to ELICO Pvt Ltd, Sanath Nagar for III year B.Tech (EIE) Students 2016
- Extra-Curricular Activities
- Involved in Telugu literacy Club “Vignana Jyothi Sahithi Vanam” of VNRVJIET.

3.5 Counseling and Mentoring Activity:

- Mentor for 0 students of I-year B.Tech. (EIE)
- Mentor for 0 students of II-year B.Tech. (EIE)
- Mentor for 6 students of III-year B.Tech. (EIE)
- Mentor for 7 students of IV-year B.Tech. (EIE)
- Constantly being in touch with students and guiding them and helping them out of individual responsibility

3.6 Committees involved in:

Department level:

- Member of Class Review Committee
- Member in Industrial Visit Committee

Institute Level:

- Member of Library Stock Verification (2013-'14)

4 Conference / Workshop / Seminar / Guest Lectures :

4.1 Conducted:

- “PCB Design & Fabrication” (2016)
- “Design & Implementation of Advanced Control System through MATLAB & LabVIEW” (2013)

4.2 Attended:

- “LabVIEW Core 1 & 2” at Hyderabad (2014)
- “Art of Teaching” at VNRVJIET (2013)
- “POGIL Workshop” at VNRVJIET (2013)
- “PCB Design & Fabrication” (2016)
- “Design & Implementation of Advanced Control System through MATLAB & LabVIEW” (2013)
- “Recent Trends in Bio signal processing” (2015)
- “Design and Application of Nano Materials for Sensors” (2016)

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 : 8 completed

b) PG : 2 Completed

5.5 Research Interests :

- Control Systems
- Data Acquisition Systems
- Bio Medical Instrumentation

5.6 Ph.D students : - Not Applicable -

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	Multi loop Controller Design for Multivariable Processes Employing SISO PI Tuning Rules	International Journal of Innovative Technology and Exploring Engineering (IJITEE) , Volume-8, Issue- 6S4, April 2019(Scopus Indexed)	ISSN: 2278-3075	Scopus (Journal added in 2018)	International
2	Design And Implementation Of Neonate Health Condition Monitoring Device	i-manager's Journal on Digital Signal Processing, Vol. 6 , No. 4 , October - December 2018	ISSN Print: 2321-7480	0.381 (Based on Google scholar citation)	International
3	PI Controller Design for Multivariable processes based on Ziegler-Nichols Tuning Method	Journal of Advanced Research in Dynamical & Control Systems, Sept., 2018(Scopus Indexed)	ISSN: 1943-023X	0.11 (SJR)	International
4	Design And Implementation of Algorithm for Real- Time Patient Monitoring in Ambulance While Transit	Journal on Instrumentation and Control Engineering, Vol.4 ,Issue 1 , Nov-Jan 2016, , pp. 17-23.	ISSN 2321-113X	Google Scholar Indexed	International

5.8 Papers presented at National / International Conference : -

S.No	Title of the Paper	Names of thes Conference/ Seminars	National/ International	Period
1	Multi loop Controller Design For Multivariable Processes Employing SISO PI Tuning Rules	International Conference on Advances in Signal Processing, Power, Embedded, Soft	International (Indexed in Scopus Database)	Jan 2019

		Computing, Communication and Control Systems (ICSPECS-2019)		
2	Control Level of Boiler Drum utilizing LabVIEW	2016 IEEE International Conference on Computational Intelligence and Computing Research	International	Dec 15 -17, 2016.
3	Design & Implementation of Real Time Bio-Signal Acquisition System for Quality Health Care Services for the Population of Rural India	Proceedings of IEEE International Conference On Recent Trends In Electronics Information Communication Technology	International	May 20-21, 2016
4	Design And Implementation of Algorithm for Real- Time Patient Monitoring in Ambulance While Transit	Journal on Instrumentation and Control Engineering	National	Nov-Jan 2016
5	Bio-Signal System Design for Real Time Ambulatory Patient Monitoring and Abnormalities Detection System	International Conference on Innovations in Electronics and Communication Engineering (ICIECE-2017)	International	July 21 – 22, 2017
6	Machine Learning and AI based Robotic System for Archaeological Research	6 th International Conference on Inventive Computation Technologies ICICT 2023	International	26 – 28 April, 2023

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:** - Nil –

7 **Motto:**

Empowering Minds, Nurturing Potential: Inspiring Learning through Dedicated Teaching