

Name: Dr. Nageshwar Voruganti
Designation: Associate Professor
Department: Electronics and Instrumentation
Mail.ID: nageshwar_v@vnrvjiet.in



Experience (in years): Teaching:18 Research: 12

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1.	Ph.D	2022	Bio-Medical Signal Processing
2.	M.Tech	2006	Instrumentation and Control
3.	B.Tech	2004	Electronics and Instrumentation

2 Teaching and Learning:

2.1 Teaching Interests: Analytical Instrumentation, Sensors in Instrumentation, Biomedical Instrumentation, Instrumentation in all types of fields, Internet of Things.

2.2 Novel Teaching & Learning Techniques adopted:

2.3 Power Point Presentation, Videos, Role Play, POGIL etc.

Involvement in curriculum updating / Design: Member in the Departmental Board of Studies

3 Co-curricular and Extra-Curricular Activities

3.1 Professional Society memberships – ISOI, IEEE

3.2 Interests and Hobbies:

- Playing Basketball,
- To support the economy for sustainable growth, reasonable standards of living, and restraining recession, deflation and inflation.
- To promote work efficiency and good attitude towards work in organizations.

3.3 CCA/ECA Organized:

- Conducting training to 60 students towards Industry Oriented Mini Project at VNR VJIET Campus.

3.4 CCA/ECA participated:

- Convergence, Sintilashunz and Sports Fest at VNRVJIET.

3.5 Counseling and Mentoring Activity:

- II Year Students – 20 Members
- I Year Students – 20 Members

3.6 Committees involved in:

Department level:

- Entrepreneurship Departmental Project Member
- NBA
- Guest lecture In charge
- Fresher's party In charge

Institute Level:

- TEQIP-II Nodal Officer.
- Institute Level Audit Cell Member Till Date
- Department BOS Member Till Date
- Institute Liasoning Team Member for UGC,NAAC,NBA

- Disciplinary committee Member

4 Conference / Workshop / Seminar / Guest Lectures:

4.1 Conducted:

- Bio-Medical Signal Processing using LabVIEW.
- One week Hands on experience on PLC's & SCADA
- Ten Day training programme on Industrial Applications and Automation

4.2 Attended:

- Training Programme on Finance Management and Management Information System.
- One week AICTE – AQIS Sponsored Short Term Training Programme on “Sensor Networks, Internet of Things and Internet of Everything's” in online mode during the period from 17th May to 22nd May, 2021.
- One day Workshop on Python by IIT-Bombay on 15th July 2019.
- The Bodhi Tree and SAFE Tools for Effective Online Teaching: A Hands On Workshop during June 19-21 2020.
- ATAL FDP on IOT by IIIT Nagpur - April 30 – May 04 2020.
- Five day workshop on MIS,EFMR and PMSS at OU .
- Mission 10X at VNRVJIET, Hyd., Research Methodologies at JNTUH Hyd.
- Attended Shadow Engineering at M/s.PharmaTrain Research Institute.
- Virtual-Faculty Winter Training Program (FWTP - 2K20) “Learning by Doing on Python” - 07/12/2020 to 07/12/2020
- AICTE Online Student Induction Programme esip - Nov 09-13,2020.
- Attended a 10 day Workshop during 22-6-17 to 1-7-17 on “recent trends in Signal Processing & its Applications”, organized by VNRVJIET and NIT Warangal.
- Attended a workshop on “Machine learning”, Conducted by IIT Kharagpur-A_View.
- Attended a Seminar on “Recent trends in LASER technology and its Applications”, Conducted by EIE department, VNR VJIET 29 & 30 Nov 2017.
- Attended Three Day Workshop at NIT trichy, Tamil Nadu, on “English for Writing PhD Thesis and Journal Paper”, during 20-22 Jan 2016.
- Attended Workshop on MATLAB conducted by ECE dept& EEE dept, VNRVJIET.
-

5 Academic Contribution and Research & Consultancy:

5.1 Invited Lectures: ----- 2 Number.

5.2 Articles /Chapters published in Books: ----- 1 number

5.3 Books published as single author or as editor: -----

5.4 Projects Guided:

a) UG: 25 b) PG: 6

5.5 Research Interests: Analytical Instrumentation, Biomedical Instrumentation, Signal Processing

5.6 Ph.D students: Nil

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	National/ International

				Index	
1	Design & Implementation of PID Controller on FPGA Platform for DC Motor Speed Control	IJERT Vol. 2 , Issue 8	2278- 0181	1.76	International
2	Design of Brain –Machine Interface through LabVIEW	Journal of the Instrument Society of India, volume-44, No.5	0970-9983	1.76	National
3	Model based spike detection of Epileptic EEG Data by using LabVIEW	Journal of Engineering Technologies and Innovative research Volume:4, Issue:12, December 2017. Pp300-305	2349-5162	2.5	International Open Access Journal
4	Epileptic Seizure Detection using Orthogonal Local Preserving Projection and K-Nearest Neighbors Classifier	International Journal of Control and Automation Vol. 12, No. 5, (2019), pp. 299-313.	20054297		International
5	Epilepsy detection in EEG using firefly based feature selection and random forest classifier	International Journal of Control and Automation Vol. 12, No.5, (2019), pp. 314-326	20054297		International

5.8 Papers presented at National / International Journals:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	ECG Signal Processing using LabVIEW	International Conference on Bio-Signals, Images and Instrumentation-2013	National	04/03 to 06/03
2	Detection of Epileptic Seizures using Lab VIEW	“International Conference on Advances in Computing, Electronics and Communication ACEC – 2013	International	09/10/13 To 11/10/13

3	Design of Brain – Machine Interface Through LabVIEW	National Symposium on Instrumentation, NSI-38, Hubli, Karnataka, India, pp 178	National	24 th to 26 th October, 2013,
4	Multi-Channel Data Acquisition System for Electroencephalogram Using LabVIEW	National Symposium on Instrumentation, NSI-40, Coimbatore, India	National	October 30 th and 31 st , 2015
5	Spike Detection in Electroencephalogram using AurdinoUNO	2015 IEEE International Conference on control Instrumentation, Coomunications and computational methodologies, Noorul Islam University, Kumaracoil, Kanyakumari Dist., Tamilnadu. ICCICCT-2015	International	18 th and 19 th December 2015
6	Design and Implementation of Data Acquisition System for EEG Analysis	6 th IEEE International Advance Computing Conference (IACC-2016) Bhimavaram-534204, Andhra Pradesh, India	International	February 27-28, 2016
7.	Estimation of Super Heater Steam Temperature using Regression Models on MISO systems	2015 IEEE International Conference on control Instrumentation, Coomunications and computational methodologies, Noorul Islam University, Kumaracoil, Kanyakumari Dist., Tamilnadu. ICCICCT-2015	International	18 th and 19 th December 2015
8.	Feature Extraction Method For Epileptic Seizure Detection Based On Cluster Coefficient Distribution Of Complex Network	National Symposium on Instrumentation, NSI-42, Coimbatore, India	National	28 th & 29 th December, 2020
9.	Detection of Epileptic Seizures in Long-Term Human EEG by Improved Linear Discriminant Analysis (ILDA)	ICAICR-2020 - 4th International Conference on Advanced Informatics for Computing Research, Haryana, India.	International	26 th and 27 th December 2020

10.	Seizure and Drowsiness Detection Using ICA and ANN	4th International Conference on Intelligent Communication Technologies and Virtual Mobile Networks (ICICV 2022)	International	10 th & 11 th Feb., 2022.
11.	Automatic Epilepsy Detection Using Machine Learning Naïve Bayes Technique	International Conference on Data Analytics, Smart Computing and Networks (IDASCN-2K22) (13th - 15th October 2022)	International Conference	13th - 15th October, 2022
12.	Time And Frequency Domain Decomposition Models For Improved Eeg Epileptic Seizure Detection And Classification	International Conference on Data Analytics, Smart Computing and Networks (IDASCN-2K22) (13th - 15th October 2022)	International Conference	13th - 15th October, 2022

5.9 Sponsored research Projects and Grants:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed

6.Awards / Honors received: ----

7.Motto:

Commitment towards the Work, which in turn gives u satisfaction and in turn gives u flowers and colors to life.

