Name   :Y. Bhanusree

Designation   :Assistant Professor

Department   :Computer Science and Engineering (CYS, DS and AI&DS)

Mail I.D   :   bhanusree_y@vnrvjiet.in

Experience (in years): Teaching: 15 years   Research: NIL   Others (If any, Specify):

AICTE ID: 1-2188897184

Date of Birth(DD/MM/YY): 06/07/1982

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1.	Ph. D (Pursuing)	2013 Joining	Computer Science Engineering
2.	M. Tech	2010	Computer Science Engineering
3.	B. Tech	2004	Electronics and Control Systems
4.	Diploma	2000	Electronics and communication Engineering
5.	SSC	1996	

2. Teaching and Learning:

2.1. Teaching Interests: C, C++, Data Structures, Advanced data structures, Design and Analysis of algorithms, Embedded Systems, Operating Systems, Computer Organization, Object oriented analysis and design, Artificial Intelligence, Neural Networks.

2.2. Novel Teaching & Learning Techniques adopted: INQUIRY GUIDED LEARNING, POGIL, WIT & WIL

2.3. Involvement in curriculum updating / Design: Developed syllabus for Internet of things(R15)(R19) and Design and Analysis of Algorithms (R18)(R19). Speech processing(R19)

3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies: Gathering Information on new topics from Web, Movies, Reading books and Cooking

3.2. CCA/ECA Organized: NIL

3.3. CCA/ECA participated: Participated in Faculty sports

3.4. Counseling and Mentoring Activity: Mentoring students on a weekly basis for their overall improvement.

3.5. Committees involved in:

Department level: PG NBA SAR in charge.

Institute Level: NIRF, QS, ARIIA, NAAC and UGC, CPE, Digitization of Teaching Learning

4. Conference / Workshop / Seminar / Guest Lectures:

4.1 Conducted: Research in Innovation -3 Day workshop, PARAMRSH workshops, Digital transformation in Teaching Learning, Effective utilization of Digital Platforms for Teaching and Learning Process, NAAC sponsored orkshop- Enriching Quality of Academics and Research in Relevance to NEP-2020

1.2 Attended:

The engaged Classroom: Technology for enhanced active learning at ISB	1 day
Big dat Analytics and Cloud computing	3 days(4th-6th sep 2014
Introduction to cloud context and cloud models and compatibilities	1 day 5th sep 2014
Recent trends in Compiler Construction tools VNRVJIET	26th-27th Mar 2015
Two Day Workshop on analytics using R tool	2nd 3rd July 2016
10 day GIAN course on Designing and Developing flipped classroom, e learning instruction for engineering and science education	9th -18th May 2016
Winter school on speech and audio Processing	8-11 January 2016
T4E conference	10-12 Dec 2015
The role of IQAC towards quality assurance in Autonomous colleges	4th, 5th November 2016
One week FDP on Machine Learning in Speech Processing organized by E &ICT academy, NIT warangal	12th to 17th November 2018
NPTEL AICTE FDP on Introduction to Internet of Things	July to October 2018
EICT Academy sponsored FDP on Advanced Deep Learning Techniques at KLEF, AP and NIT Warangal	13th to 18th 2019
Hands on Workshop on Artificial Intelligence and Deep Learning by Bennett University	4th to 8th May 2020
Designing course curriculum for B.Tech in AI and Data science	July 27th 2020

AICTE sponsored STTP on Machine Learning and DEEP learning Techniques for AI problems using Python, Department of IT, VNRVJIET	16th Nov to 21 Nov 2020
One week FDP on Recent advancements in Machine Learning and Deep Learning organized by CSI and CSE, VNRVJIET	26th -30th April 2021
Ample live learn Implementer workshop level1	20th Jan 2021
Advancements in signal Processing and Artificial Intelligence in Health care(ASPAIH) by IIIT, Design and Manufacturing Kancheepuram, Chennai, India	15th to 24th Feb 2021.
Chatra Vishwakarma Awards 2020 - BITS AND BYTES-EMOTY -"MOBILE APPLICATION FOR DETECTION OF MENTAL ILLNESS AND SUPPORTING SYSTEM FOR SOCIO WELL-BEING"	2020
Current trends of Deeping Learning in Various Research Domains by SCOPE, VIT-AP University in association with CCE, NIT Warangal	20th to 24th Sep 2021
Sustainability – Improving our products, people and planet on World Quality Day 2021 by KLU, AP	18th November 2021
Reviewer for 24 hours VJ Hackathon- Victory ad Joy in Smart Innovations, Dept. of CSE, Collaboration with CSI and AICTE under SPICES	29th -30th October 2021
Lead Auditor by NSF	26th Sep 2022 to 30th Sep 2022
One Week FDP on Ethical Hacking	8th to 13th August 2022
IEEE WIE International Leadership summit 2022	26th-27th August 2022
Current trends of Deep Learning in Various Research Domains	20th to 24th Sep 2021
World Quality Day 2021	18th November 2021
IUCEE summit 2022	July 7th to July 9th

4. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures:

Avinash college, Hyderabad- FDP on Hone your skills	June 2020
St Theresa, Ernakulam on NAAC accreditaion	May 2020
Stanley on Autonomous Visit	December 2019
NAAC Best Practices	20th Oct 2020

Recent advancements in Machine Learning and Deep Learning organized by CSI	April 2021
Deep Learning for students CSI workshop	27 May 2020
Reviewer 9th ICTEE	Jan 7th - 9th 2022
Taylor and Francis Reviewer	
JEET reviewer	1st July 2021 to 30th June 2022
ICTIEE 2023 Reviewer	5th to 8th 2023

5.2. Articles / Chapters published in Books: 2
5.3. Books published as single author or as editor: NIL
5.4. Projects Guided:
       a) UG: 1. RECOGNITION OF HUMAN EMOTIONS FROM SPEECH
               2. Depression detection from Speech corpus
               3. Gesture coding for Mouse operation
               4. Stress detection from Acoustics
               5. Capsule net-based SER
               6. Identification of Alzheimer's using MRI, MMSE and Speech
       b) PG: 1. Optimal feature selection, fusion and dimension reduction for speech emotion recognition using acoustic features
5.5. Research Interests: Speech and its emotions, Machine Learning, Neural Networks, Genetic algorithms and Rough sets, Deep Neural Networks

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	Analysis and Evaluation of Discriminant Analysis Techniques for Multiclass	Springer International Publishing	978-3-319-11217-6		International

	Classification of Human Vocal Emotions				
2	Speech Emotion Recognition using Time Distributed 2D-Convolution layers for CAPSULENETS	Multimedia Tools and Applications	Multimed Tools Appl 81, 16945–16966 https://doi.org/10.1007/s11042-022-12112-x	SCI	International
3	Neural Network-based Ensemble Learning for Speech Emotion Recognition	Multidimensional systems and signal processing	https://doi.org/10.1007/s11045-022-00845-9	SCI	International
4	Time Distributed Attention Layered Convolution Neural Network with Ensemble Learning using Random Forest Classifier for Speech Emotion Recognition	JOURNAL OF INFORMATION ANDCOMMUNICATION TECHNOLOGY	https://doi.org/10.32890/jict2023.22.1.3	SCI	International

5.8. Papers presented at National / International Conferences:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Inquiry based guided learning to enhance interest and higher order thinking in engineering graduates: a computing education perspective selected for Springer publication.	ICTEE-14 HUBLI	International	
2	ROC Analysis of Class Dependent and Class Independent Linear Discriminant classifiers using frequency domain features	ICACCI- 2014 DELHI	International	24-27 Sept. 2014
3	Focus Question based Inquiry Guided Learning for the Attainment of Course Learning Outcomes	International Journal of Modern Education and Computer Science	International	1/7/2015
4	Real-time Acoustic based Depression Detection using Machine Learning Techniques	2020 International Conference on Emerging Trends in Information Technology and Engineering (ic-ETITE)	International	April 2020
5	Human Emotion Recognition using Acoustic Features with Optimized Feature Selection and Fusion Techniques	5th International Conference on Inventive Computation Technologies (ICICT-2020)	International	June 2020
6	Survey on Multimodal Emotion Recognition systems	ICACECS 2020 - Machine Learning Technologies and applications Book	International	2021
7	Capsule Networks based Acoustic Emotion Recognition using Mel Cepstral Features	ICSES2021 IEEE Conference	International	2021
8	Speech Emotion Recognition - A comparison between Capsule Networks & CNN-LSTM	International Conference on Advanced Informatics for Computing Research (Springer conference)	International	2021

		Communications in Computer and Information Science		
9	A Deep Learning Approach to Predict Covid-19 Through Cough Analysis Using CNN-BiDirectional LSTM	IEEE International Conference for Advancement in Technology,(ICONAT) ,Goa, India	International	2021
10	Survey of Identification of Alzheimer's Disease Using MRI, Speech and MMSE	INDIA, BVRITW, Hyderabad	International	2022

5.9. Sponsored research Projects:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed
	NIL				

5.10 Consultancy Projects:

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed
	NIL				

6. Awards / Honors received: NIL

7. Motto:

- To mould in to a valued professional, teacher, researcher and administrator.
- Also to encourage students to build up their attitude towards improving engineering skills and societal responsibility through knowledge enhancement, research and development.