

VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

KNOWLEDGE ASSET 2020-21

Name : **Y. Bhanusree**
Designation : **Assistant Professor**
Department : **Computer Science and Engineering**
Mail I.D : **bhanusree_y@vnrvjiet.in**



Experience (in years): Teaching: **13 years** Research: **NIL** Others (If any, Specify):

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

4.2 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.

5. 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	April 2021

organized by CSI	
Deep Learning for students CSI workshop	27 May 2020

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: **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. Capsulenet based SER

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 Classification of Human Vocal Emotions	Springer International Publishing	978-3-319-11217-6		International

5.8. Papers presented at National / International Journals:

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

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.