

VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

KNOWLEDGE ASSET 2023-24

Name: Dr. Durga Prasad Kavadi
Designation: Sr. Assistant Professor
Department: AIML&IOT
Mail ID: durgaprasad_k@vnrvjiet.in
Experience (in years): Teaching: 17 years
Research: 6 years
AICTE ID: 1-509694337



DoB: 29/08/1985

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1.	Ph.D.	2020	CSE
2.	M.TECH	2011	CSE
3.	B.TECH	2006	CSE

2. Teaching and Learning:

2.1. Teaching Interests: Machine Learning, NLP, Artificial Intelligence, Java Programming, Web Technologies, Python Programming, Computer Networks, OOAD through UML, Operating Systems, C Programming, Software Project Management, Wireless networks, Software Engineering

2.2. Novel Teaching & Learning Techniques adopted:

- Learning by Doing
- MOOCS
- WIT and WIL
- NPTEL
- Active learning (Videos, PPT etc.)
- Developing Digital Content

2.3. Involvement in curriculum updating / Design:

- Participated in the design of the curriculum for CSE-AIML and IoT.
- Developed Programs in Machine Learning and Neural Networks Lab
- Articulating Syllabus for training in Machine Learning and trained students
- Developed use cases in AIML

3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies:

- Interest to learn technological advances and novel endeavours
- Monitor and Provide academic support to students who are getting farther behind
- Participation in various workshop and FDP to update knowledge.

- Motivate students to involve in all activities and encourage them to participate in paper presentation to improve their skills

3.2. CCA/ECA Organized: Nil

3.3. CCA/ECA participated:

- Mini and Main Project Evaluator
- Paper setting / evaluation of academic examinations.

3.4. Counseling and Mentoring Activity:

Mentor for AIML and IoT students

3.5. Committees involved in:

- Member in Board of Studies
- Member of Research & Development.
- Member of Institute Innovation Cell
- Active member for student projects

4. Conference / Workshop / Seminar / Guest Lectures:

4.1. Conducted:

- Conducted college level Hackathon
- Conducted ML Workshop for AIML students
- Conducted guest lecture on DL Trends for AIML students.
- Conducted seminar on “Deep Learning case studies in Health Care”

4.2 Attended:

Attended 50+ various workshops at institution and university level

- “Data Communication & Networking” on 24th November 2022, Guest Lecture, at Geetanjali College of Engineering and Technology, Hyderabad
- ATAL Faculty Development Program on “Data Science using R” from 11/05/2020 to 15/05/2020.
- ATAL Faculty Development Program on “Linux Applications” from 27/04/2020 to 02/05/2020.
- Attended FDP on “Teaching and Learning Tools Setup and Assessment for Next Generation” at BVRIT from 12/05/2020 to 14/05/2020.
- IAAC one week international faculty Development program on “online teaching tools for trainers” during 18th to 24th May 2020
- Faculty Development Programme on “Ethical Hacking and Cyber Security” during 23 - 27 May, 2020.
- Faculty Development Programme on “Artificial Intelligence” during 22 - 26 May, 2020.
- Faculty Awareness Programme on Outcome Based Education (OBE) and NBA Accreditation“ on 8-5-2020
- FDP on “Artificial Intelligence and Machine Learning” at CMRTC for 1 week in May 2020.
- FDP on “IUCEE International Engineering Pre-Certification” at BVRIT by Indo-Universal Collaboration for Engineering Education for 1 week in April 2017.

5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures: 2

5.2. Articles / Chapters published in Books: 2

5.3.

5.3.1. Books published as single author or as editor: 2

5.3.2. Patents published/Granted: 6

5.3.3. Copy-Right published as single author or as editor: 2

5.4. Projects Guided:

- a) UG: 50+
- b) PG: 20+

5.5. Research Interests: Machine Learning & NLP**5.6. Ph.D. students:**

- a) Enrolled: 1
- 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	Partial derivative Nonlinear Global Pandemic Machine Learning prediction of COVID 19	Chaos, Solitons & Fractals, Volume 139, 2020 (SCI Indexed)	0960-0779 DOI: https://doi.org/10.1016/j.chaos.2020.110056 .	7.8	International
2	A Machine Learning Approach for Celebrity Profiling	International Journal of Ad Hoc and Ubiquitous Computing, 2021, Vol.38 No.1/2/3, (SCI Indexed)	1743-8233 DOI: 10.1504/IJAHUC.2021.119091	3	International
3	Privacy-preserving Data Analysis over Naive Bayesian Classifier for Continuous and Discrete Data	Journal of Advanced Research in Dynamical & Control Systems Vol. 10, 13,2020 (SCOPUS & Web of science Indexed)	1943-023X	2.3	International

4	A New Supervised Term Weight Measure for Text Classification.	International Journal of Advanced Science and Technology, 2020, 3115 - 3128. (SCOPUS Indexed)- Elsevier	2207-6360 DOI: http://serisc.org/journals/index.php/IJAST/article/view/13873 .	1.7	International
5	Privacy preserving data analysis using decision tree learning algorithm through additive homomorphic encryption	International Journal of Innovative Technology and Exploring Engineering (IJITEE), Volume-8 Issue-4, (SCOPUS Indexed)	2278-3075	1.3	International
6	Prediction of Personalized Medicine using Deep Learning.	International Journal of Advanced Science and Technology (SCOPUS Indexed)	10448 – 10455 DOT: http://serisc.org/journals/index.php/IJAST/article/view/23639 .	1	International
7	A Feature Selection based Approach for Authorship Attribution	Jour of Adv Research in Dynamical & Control Systems, Volume 12 Issue 2, (2020) (SCOPUS & Web of science Indexed)	1943-023X DOI: 10.5373/JARD CS/V12I2/S20201091	2.3	International
8	A Novel Approach for Text Classification using Recurrent Neural Networks	International Journal of Advanced Science and Technology, 29(05),., (2020) (SCOPUS Indexed)	9371-9386 http://serisc.org/journals/index.php/IJAST/article/view/19033	1.7	International

9	A hybrid cryptosystem using variable length sub key groups and byte substitution	Journal of Computer Science, (2014), Volume 10 No. 2 (SCOPUS Indexed)	1552-6607 DOI: https://doi.org/10.3844/jcssp.2014.251.254	5.9	International
10	Generalized Affine Transformation based on Circulant Matrices	International Journal of Distributed and Parallel Systems (IJDPS)- 2012, Vol.3, No.5, (SCOPUS Indexed)	0976-9757 DOI : 10.5121/ijdps.2012.3514	4.5	International
11	A Survey on Privacy Preserving Data Mining Techniques and Analysis	International Journal of Management, Technology And Engineering (IJMTE), 2018	2249-7455	0.1	International
12	Analysis of Message Filter in Social Network Issues	International Journal of Technology and Engineering Science [IJTES], Volume 2[6], June 2014.	1174-1025	-	International
13	Dealing With Inimitable Issues Found In Software Under Testing	International Journal of Advanced Research in Computer and Communication Engineering, Vol. 2, Issue 10, October 2013 ,	2278-1021	-	International

5.8. Papers presented at National / International Conferences:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Investigating Low & High Transfers Training for Multi-task Face	(IEEE Conference)	International	2023

	Identification Using a Semi supervised Neuronal Networks	3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE), In 2023 DOI: 10.1109/ICACITE 57410.2023.10182490		
2	N-Gram-Based Machine Learning Approach for Bot or Human Detection from Text Messages	6th International Conference on Intelligent Systems, Metaheuristics & Swarm Intelligence (ISMSI '22) DOI: https://doi.org/10.1145/3533050.3533063	International	2022
3	Privacy-preserving Naive Bayesian Classifier for Continuous Data and Discrete Data	(Springer Conference) International Conference on Artificial Intelligence and Cognitive Computing , Springer-Advances in Intelligent Systems and Computing	International	2018
4	An efficient framework for high-quality web service discovery	(IEEE Conference) CSI 6th International	International	2012

		Conference on Software Engineering, CONSEG 2012.		
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5.9. Sponsored research Projects: NIL

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed

5.10 Consultancy Projects:

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6. Awards / Honors received:

- Best Faculty Award
- Best Paper Award
- Life member - Indian Society for Technical Education (ISTE)
- IEEE Member

7. Motto: “Opportunities don’t happen, you create them.”