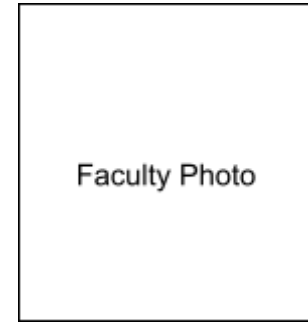


Faculty Profile



I am Dr. Sindhu D V, currently working as an Assistant Professor at R V College of Engineering, where I have been serving for the past three years. My primary research interests lie in the fields of Natural Language Processing (NLP) and Speech Processing. I am passionate about teaching and currently handle a range of subjects including Artificial Intelligence & Machine Learning (AI & ML), Data Structures, Internet of Things & Embedded Computing (IOT&EC), Java Programming, and Natural Language Processing. My academic and research endeavors are focused on developing intelligent systems that can understand and interact with human language effectively.

Personal Information

- **Name:** Dr Sindhu D V
- **Designation:** Assistant Professor
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- **Phone:** +91-9964469425

Google Scholar: <https://scholar.google.co.in/citations?user=l1VdcYsAAAAJ&hl=en>

ResearchGate: <https://www.researchgate.net/profile/Sindhu-D-V>

LinkedIn: <https://in.linkedin.com/in/sindhu-dv>

Domain of Expertise

Research Focus

- **Primary Area:** Natural Language Processing, LLM
- **Allied Areas:**
 - Machine Translation, Speech Processing

Academic Qualifications

- **Ph.D.:** [CSE], [VTU], [2022] [Thesis title: Kannada- Telugu Machine Aided Translation]
- **M.Sc./M.Tech:** [Information Technology], [VTU], [2014]
- **B.E./B.Tech:** [ECE], [VTU], [2010]

Professional Experience

Experience			
S.No	Institute/College/Industry	Job Title	Duration (From- To)
1.	Nagarjuna college of Engineering	Assistant Professor	Feb 2021- March 2022
2.	RVCE	Assistant Professor	April 2022- Till date

Publications & Patents

Journal Publications

1. Sindhu D.V, Dr. B M Sagar, Prof. RajaShekhara Murthy, “Survey on Machine Translation and its approaches”, International Journal of Advanced Research in Computer And Communication Engineering, ISSN (Online): 2278-1021, ISSN(Print): 2319-5940, Volume 3, Issue 6, June 2014.
2. Sindhu D.V, Dr. Sagar B.M, “Dictionary Based Machine Translation from Kannada to Telugu” , Published in International Conference on Advanced Material Technologies (ICAMT)-2016. Submitted paper will be published in submitted to Elsevier Materials Today: Proceedings.
3. Dr. Sindhu D. V “Graphical Password Authentication” Computer Integrated Manufacturing Systems. ISSN 1006 -5911.
4. Dr. Geetha V, Dr. Sindhu D V “Sign Language detection with Siamese Neural Networks” Computer Integrated Manufacturing Systems. ISSN 1006 -5911.
5. Pragya Sen,Savitri Tangirala , Dr.Sindhu D V, Dr. Saba Farheen “ A Comparative Study Of Automation Testing Tools For Mobile, Web And Desktop Applications” Journal of emerging technologies and innovative research.ISSN 2349-5162. May2023

Conference Papers

1. Sindhu D.V, Dr. Sagar B M, “A Case Study On Linguistic Divergences in Kannada-Telugu Machine Translation Perceptive”, Published in International conference on Computational System and Information Technology for Sustainable solution- CSITTS 2016, from Oct 6th to 8th 2016. Organized by RV College of Engineering, Bengaluru. Page No: 95-99. Listed in IEEE explorer: 978-1-5090-1022-6/16/\$31.00 ©2016IEEE.
2. Sindhu D.V, Dr. Sagar B M, “Study on Machine translation approaches for Indian languages and their challenges”, Published in International Conference on Electronics, Communication, Computer and Optimization Techniques, on Dec 9th to 10th 2016. Organized by GSSS Institute of Engineering and Technology for women. Submitted paper will be published in IEEE Digital library. Awarded as the best presentation in the conference.
3. Dr.Sindhu D V, Prithiviraj N, Prakhar Jain, Sarvagya Kumar “VIRTUAL COMPANION: A HUMAN FRIENDLY CHATBOT”2024 8th International Conference on Computational System and Information Technology for Sustainable Solutions (CSITSS) | 979-8-3315-0546-2/24/\$31.00 ©2024 IEEE | DOI: 10.1109/CSITSS64042.2024.10816756.

4. Meeth Jitendra Davda, Sindhu D V “Impact of Human-in-the-loop paradigm in AI labeling and Annotation” 2024 8th International Conference on Computational System and Information Technology for Sustainable Solutions (CSITSS) | 979-8-3315-0546-2/24/\$31.00 ©2024 IEEE | DOI: 10.1109/CSITSS64042.2024.10817054.

Books/Book Chapters

Nil

Patents **[Filed / Published / Granted]**

1. **Title:** An Internet of Things Based Covid Spread Prevention System and Its Method Thereof, Australian Patent Filed On 18/08/2021 (Application No: 2021105264), Granted On 10/08/2021.
2. **Title:** An Intelligent Antitheft Device for Electrical Vehicle, Indian Patent Filed On 08/11/2021 (Application No: 352805-001).

R & Grants & Consultancy Projects

Ongoing & Completed Research Projects

NIL

Ongoing & Completed Consultancy Projects

- Vehicle Tracking Systems – Funding Agency: ATDXT PTE LTD, Duration: [2023–2024], Role: [Co-PI].

Professional Memberships

- IEEE, IETE

Student Supervision

- Undergraduate Research Mentees: 15

Teaching

Core Courses: **[Current semester]**

- [CS344AI] [IOT & Embedded Computing]
- [AI365TDD] [Generative Artificial Intelligence]

Responsibilities

- **Academic:** Department Website Coordinator.
- **Administrative:** Department Research & Consultancy Coordinator.

