

Dr S.Vasavi



Designation : Professor & Head
E-Mail ID : hod_ai_ds@vrsiddhartha.ac.in
Contact at : C510, Department of Artificial Intelligence & Data Science,
 Velagapudi Ramakrishna Siddhartha Engineering College,
 Kanuru, Vijayawada, Andhra Pradesh 520007.

Education

Ph. D (Computer Science and Engineering)

2010, Acharya Nagarjuna University, Guntur

MS (Software Systems)

1999, Birla Institute of Technology & Science , Pilani

Experience

Period	Designation	Institution / Organization
2010 to till date	Prof & Head AI&DS Professor & Program Co-Ordinator (CSE)	Velagapudi Ramakrishna Siddhartha Engineering College
2010	Principal	Montessori Siva sivani Institute of Science & Technology
2008-2010	Professor & HOD CSE & IT	Potti Sriramulu College of Engineering & Technology
1997-2008	Asst Professor , Associate Professor & HOD CSE	Koneru Lakshmaiah College of Engineering
1996-1997	Project developer	ST.Franics software solutions (Oracle platform)

Research Interests

Broad Area of Research :

Remote Sensing

Image Processing

Predictive Analytics

Natural Language Processing

Honors and Awards

- 26 years of Teaching and research experience.
- 1 year of Industry Experience
- **Received Visiting Scholar invitation** from Illinois State University, Illinois, Normal, USA in the year 2019
- **Received Visiting Scholar invitation** from Saint Augustine's University, Raleigh, North Carolina, USA in the year 2022
- Three patents granted, One patent FER submitted, Three patents Published, one patent filed
- Ongoing funded research projects worth of 1,12,52,041/- from ISRO, DST
 - a. ADRIN funded projects worth of 63 lakhs (2024-2027)
 - b. DST Funded project worth of 24 Lakhs (2023-2025)
 - c. ISRO Funded project worth of 18 Lakhs (2022-2024)
 - d. Received fund of Rs 4,06,000/- from IEEE to conduct Fourth Series Of "Artificial Intelligence In Remote Sensing Applications" From September 25th To 30th September 2023 in association with ISRO and DRDO
 - e. Received fund of \$6000 from 4th IEEE GRSS Student Grand Challenge towards development of algorithms for remote sensing data analysis (2023-2025)
- Completed Two Research Funded Projects :ADRIN-ISRO(2014-2017) UGC(2014-2016)
- Applied Two ISRO funding project. Waiting for Funding
- Senior Member IEEE, Member WIE, Member IEEE GRSS, Member MIR Labs, Life Member CSI
- Ongoing Collaborative Research work with scientists of **National Remote Sensing Center (NRSC)** on Change detection modeling from High resolution images for Urban areas since 2019 **with an outcome of Scopus publications**
- Ongoing Collaborative Research work with **Professor of Autonomous University of Baja California, Mexico, USA** in Drone Based Video Processing (Since 2021) with an outcome of SCI publication
- Ongoing Collaborative Research work with Andhra Pradesh State Disaster Management in solving societal problems since 2019 **with an outcome of App development, Scopus indexed publications and Patent filing is pending**
- Ongoing Collaborative Research work with **Andhra Pradesh Space Applications Center (APSAC)** in solving societal problems since 2021
- Completed Collaborative Research work with **Professor of Illinois State University** in Geospatial Analysis Framework using Cassandra-Hadoop, Spark-MongoDB, Spark-Redis (2015-2018) **with an outcome of Scopus publications**
- Completed Collaborative Research work with **Professor of Illinois State University** in Cloud data Analytics using Genetic algorithms (2021-22) **with an outcome of Scopus publications**
- Completed Collaborative Research work with **Professor of National University of Singapore** in Thermal Image Analysis for classifying Geriatric Patients.(2016-2018) **with an outcome of ACM and Scopus publication, best paper award**
- Completed Collaborative Research work with **Professor of Michigan State University** in Fundus Image Analysis for classifying Diabetic Retinopathy (2017-2019) **with an outcome of Scopus publications**
- Completed Collaborative Research work with **Indian National Centre for Ocean Information Services(INCOIS)** for Coastal Zone Data Modelling (2018-2019) **with an outcome of patent filing**

- Completed Collaborative **Research work with Advanced Data Research Institute (ADRIN)** for Identification of Soft Biometrics of Human beings with Deep Learning Techniques (2018-2020) **and submitted two SCI Q1 journals.**
- Completed Collaborative Research work with **Space Application Center (SAC) Ahmadabad,** for Internal Wave Prediction (2019- 2022) **with an outcome of IEEE Conference and Science Direct Publication**
- Completed Collaborative Research work with Andhra Pradesh State Disaster Management in solving societal problems (2019-2020) **with an outcome of App development and Patent filing is pending**
- Keynote speaker for IEEE Conference ICOIP 2017 conducted at Singapore, July 2017 and session chair for ICEITEE 2019 conference conducted at Malaysia
- Delivered Guest Lecture at UTM Malaysia on Innovative research ideas and possible collaboration, Applied ASEAN project with Co-Investigators from Singapore and Malaysia
- Received Best Paper award at 9th IEEE Annual Information Technology, Electronics, and Mobile Communication Conference (IEMCON 2018) held at University of British Columbia, Canada during 1-3rd November 2018
- Received Best Paper award at International Conference On Adaptive Computational Intelligence (ICACI-2020) 15th & 16th December 2020, Mysore
- Published 93 papers in various International Journals and Conferences (5 SCI indexed, 1 ACM, 55 Scopus indexed, 5 DBLP, and remaining 26 UGC/Google Scholar indexed, 7 Scopus indexed papers in press)
- 4 Book Chapters [Scopus indexed], 1 Book Chapter [Taylor & Francis SCI indexed]
- Received Best Teacher Award, Vishitta Mahila Award, Conferred Outstanding Women in Engineering Award, Best Faculty in Rural Institution award , Good standing Through from IEEE
- Recognized as an honorary Rosalind Member of London Journals Press with Membership ID, #RS56761 for the research paper entitled "Web Based Geo Processing Workbench" On 26th April 2021
- Visited Reputed Universities in U.S.A, Thailand, Singapore, Canada and Malaysia
- **Visited National Argonne Laboratory** A multidisciplinary Science and Engineering Research Centre that address vital national challenges in Clean Energy, Environment, Technology and National Security.
- Received UGC Travel grant for presenting Research paper at USA
- Received TEQIP Travel grant for presenting Research paper at Thailand
- Reviewer for Scopus Indexed journals
- Organized 2 day International conference ICETCSE 2016 during October 17th and 18th 2016.
- Organized four series of events in collaboration with ISRO during 2019, 2021, 2022 and 2023.
- One week Seasonal School on "**Explainable Artificial Intelligence in Remotely Sensed Data: A Review of Applications and Current Research**" from September 25th to September 30th 2023
- A One Week Seasonal SCHOOL on "Artificial Intelligence in Remotely Sensed Image Analysis: A Review of Applications & Current Research" during 17th – 22nd October, 2022
- Two Week Summer School on "Artificial **Intelligence in Remote Sensing Applications**" **from 27th September to 8th October 2021**
- 2 day National Seminar on "Space Technologies and Applications" during November 6th and 7th 2019
- Organizing and technical committee member for various conferences conducted at India, U.S.A, Singapore, China
- Motivated students to present their research work at various national project expos, Smart India Hackathon, conducted by industry and academic institutes

Courses Taught

- Deep Learning
- Machine Learning
- Database Management System
- Data Mining
- Big Data Analytics
- Data Structures
- Advanced Operating Systems
- E-Commerce
- User Interface Design
- Computer Graphics

Research Profile

Publications

The recent publications and research contributions can be viewed from the following URLs

Google Scholar	https://scholar.google.com/citations?hl=en&user=sEQYEScAAAAJ
Scopus	https://www.scopus.com/authid/detail.uri?authorId=23986854500
ORCID	https://orcid.org/0000-0002-3025-5528
Dblp	https://dblp.org/pers/v/Vasavi:S=.html
Publons	https://publons.com/researcher/1883599/s-vasavi/
Research Gate	https://www.researchgate.net/profile/Sanikommu_Vasavi
LinkedIn	https://www.linkedin.com/in/vasavi-sanikommu-32315b136/
MIR Labs	http://www.mirlabs.net/global/index.php?c=admin&a=forupdateContact&id=1142

Recognized Research Supervisor

S.No.	Department	University
01.	Computer Science and Engineering	Jawaharlal Nehru Technological University, Kakinada
02.	Computer Science and Engineering	Jawaharlal Nehru Technological University, Hyderabad

Research Scholar Details - Under Supervision

S.No	Name	Broad Area of Research
1	S.Prabhakar	Big Data Analytics
2	S.Kishore	Big Data Analytics
3	B.Vinay Kumar	Image Processing

Funded Research Projects

Completed	02
On-going	06
Applied	02

Consultancy / Industry Projects

Completed	02
On-going	0
Applied	01

Patents

Granted	03
Published	04
Applied	01

Invited Talks

No. of Invited Talks	20
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Professional Service / Reviewer

- Reviewer for IEEE Sr Member Elevation
- Reviewer for Image and Vision computing
- Reviewer for Journal of Big Data
- Reviewer for IGI- Global

Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	20
International / National Level Seminars	35
International / National Level Conferences	15
Workshops	15
Instructor Led / Self-Paced Courses	5
Webinars	30

Professional Bodies Membership Details

94173153	Senior Member IEEE & Member Women in Engineering, GRSS
10136476	Life Member of Computer Society of India
1142	Member Machine Intelligence Research Labs , Washington, USA
1174	Life Member (Senior) of ACM ACEEE

(Dr S.Vasavi)
