

# Dr. S.Vasavi



**Designation** : Professor & Head  
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**Contact at** : 505, 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 (26+ Years)

Period	Designation	Institution / Organization
December 2010 – Till Date	Professor,CSE Prof & Head AI&DS	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, Guntur
1996-1997	Project developer	ST.Franics software solutions (Oracle platform)

## Research Interests

### Broad Area of Research :

- Image Processing

- Predictive Analytics
- Natural Language Processing

## Honors and Awards

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- 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
- Two patent FER submitted, Four patents Published, One patent granted
- Ongoing DST funded project worth of 24 Lakhs (2023-2025)
- Ongoing ISRO Funded project worth of 18 Lakhs (2022-2024)
- One Approved ISRO project. Waiting for Funding
- 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
- Completed Two Research Funded Projects :ADRIN-ISRO(2014-2017) UGC(2014-2016)
- 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)
- 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 ICEITTEE 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

## **Courses Taught**

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- Machine Learning
- Database Management System
- Data Mining and Data Warehousing
- Data Analytics

- Data Structures
- Human computer interaction
- Computer graphics
- Object oriented programming with C++
- Advanced Operating Systems
- E-Commerce

## Research Profile

### Publications

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

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

### Recognized Research Supervisor

S.No.	Department	University
01.	Computer Science and Engineering	JNTUK
02.	Computer Science and Engineering	JNTUH

### Research Scholar Details - Under Supervision

S.No.	Name	Broad Area of Research
01.	S.Prabhakar	Big Data analytics
03.	S.Kishore	Big Data analytics
04.	B.Vinay Kumar	Image processing

### Patents

Granted	01 (International Patent)
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<b>Published</b>	04
<b>FER submitted</b>	02

## Professional Development Activities - Participations

<b>Faculty Development and Training Programmes (at least 5 Days)</b>	27
<b>International / National Level Conferences</b>	50
<b>Workshops</b>	20
<b>Instructor Led / Self-Paced Courses</b>	10
<b>Webinars</b>	30

## Professional Bodies Membership Details

94173153	Senior Member IEEE , & Member Women in Engineering(WIE) , IEEE GRSS member:
1142	Member Machine Intelligence Research Labs , Washington, USA
1174	Life Member (Senior) of ACEEE
I0136476	Life Member of CSI Member

(Dr. S.Vasavi)

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