



## **Dr. S Vidyavathi**

B.Tech., (Civil)M.E.(WRE),Ph.D. ( IIT  
Bombay),PGDCS (HCU)

**Professor**

**ISH,IAH,IE**

Civil Engineering

### **Areas of Interest:**

Areas of research interests include Watershed Modelling, Applications of RS&GIS in Civil Engineering and allied areas, Optimization Techniques with applications in Civil Engineering, Distributed Data Mining, Heterogeneous Data Integration in GIS/Data Migration for GIS, Waste Water Treatment, Effective Agricultural Management Practices and GIS Applications.

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**Dr. S. Vidyavathi** is currently working as **Professor** in Department of **Civil Engineering, JNTUH College of Engineering, JNTU University, Kukatpally, Hyderabad.** She has about **18 years of teaching and research experience.**

^ ^ ^ ^ ^ ^ ^ ^ ^ ^ Apart from her regular **teaching activity**, she has **guided 5 Ph.D.** and **15 M.Tech** and several **B.Tech** projects. **Presently she is guiding 07 Ph.D.** and is **actively involved in research.** Dr.S.Vidyavathi has chaired various technical sessions in many international conferences held in India and Abroad. She has about **25 research publications** in reputed **International and National Journals** and about **10 in International and National Conferences.**

^ ^ ^ ^ ^ ^ ^ ^ Her **Areas of research interests include Watershed Modelling, Applications of RS&GIS in Civil Engineering and allied areas, Optimization Techniques with applications in Civil Engineering, Distributed Data Mining, Heterogeneous Data Integration in GIS/Data Migration for GIS, Waste Water Treatment, Effective Agricultural Management Practices and GIS Applications.** She is a life member of professional bodies namely Indian Society for Hydraulics, Indian Association of Hydrologists and Institution of Engineers.

^ ^ ^ ^ ^ ^ ^ ^ Apart from her **teaching and research activities**, Dr.S.Vidyavathi served JNTUH in various capacities as Officer in Charge at Institute of Science and Technology Examination Section, JNTUH, Member Board of Studies for M.Tech Spatial Information Technology programmes at JNTUH, Convenor of various fact finding committees and Staff Selection Committee Member to several affiliated colleges of

JNTUH. ^

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**- ▶ Educational & Professional**

**- ▶ Academic Qualifications**

- ▶ Ph.D in HWRE & RS GIS , IITB with CGPA 9.3 (1998-2003)

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M.Tech in HWRE , ANNA UNIVERSITY with I CLASS WITH DISTINCTION (1996-1998)

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B.Tech in CIVIL ENGINEERING , NAGARJUNA UNIVERSITY with I CLASS WITH DISTINCTION (1992-1996)

**▶ Professional Experience**

**- ▶ At JNTUH**

- ▶ PROFESSOR, JNTUH (2017 - Till Date)

- ▶ ASSOCIATE PROFESSOR, JNTUH (2006 - 2017)

- ▶ ASSISTANT PROFESSOR, JNTUH (2000 - 2006)

**- ▶ Publications**

### - **International Journals**

- ▶ Vidyavathi Somepalli, *Water Quality Index and GIS based Technique for Assessment of Ground Water Quality in Wanaparthy Watershed, Telangana India*, International Journal of Scientific Research in Science and Technology , ISBN No.2395 - 6011, Vol No.10, Issue No.1, pp.175-189, JANUARY - FEBRUARY , 2023
- ▶ Vidyavathi Somepalli, *Geo Spatial Technology Based Studies of Water Quality of a Town due to Urbanization Effects From Telangana State India*, International Journal of Novel Research and Development , ISBN No.2456 - 4184, Vol No.8, Issue No.1, JANUARY , 2023
- ▶ Vidyavathi Somepalli, *The usefulness of dual polarization data to discriminate crops from different scattering mechanisms*, International Journal of Engineering Research and Applications , ISBN No.2248-9622, Vol No.11, Issue No.5, pp.59-63, MAY, 2021
- ▶ Vidyavathi Somepalli, *Crop Discrimination Using Post Rainy Season Multispectral Data From LISS III And LISS IV In Two Coastal Districts Of Andhra Pradesh, India*, International Journal of Engineering Research and Applications , ISBN No.2248-9622, Vol No.11, Issue No.5, pp.43-45, MAY, 2021
- ▶ Vidyavathi Somepalli, *Identification of optimal single date for rice crop discrimination and relationships between backscatter and biophysical parameters using RISAT-1 hybrid polarimetric SAR data*, Geocarto International, ISBN No.1010 - 6049, Vol No.36, Issue No.17, pp.2010-2022, Taylor & Francis , MAY, 2021

### - ▶ **Teaching**

- ▶ Fluid Mechanics & Hydraulic Machinery Lab in Civil Engineering & Mechanical Engineering II - II (2023)
- ▶ Remote Sensing & GIS in Civil Engineering IV - I (2023)
- ▶ Fluid Mechanics in Civil Engineering II - I (2023)
- ▶ Hydrology & Water Resources Engineering in Civil Engineering III - II (2023)

### - ▶ **Administrative Positions Held**

- ▶ University Nominee to Various Affiliated College under JNTUH, JNTUH, 05 Mar 2009 - Present
- ▶ PROFESSOR, JNTUH, 08 May 2009 - 14 Jun 2012
- ▶ OIE, PG Exam Section, IST, JNTUH, JNTUH, 01 Feb 2009 - 22 Apr 2011

## - ▶ **Project/Research Guidance**

### - **Students**

Student Name	Title	Year	Download
Mr.G.Shankaraiah	Degradation o Commonly used Antibiotics using Advanced Oxidation Process	2020	
Ms.D.Suma Chandrika	Effect of Conservation Agricultural Management Practices in Dryland Soils	2019	

**Contact :**

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Civil Engineering

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