

- 1. Name** : VEMU SREENIVASULU
- 2. Designation** : Associate Professor
- 3. Department** : Civil Engineering
- 4. Date of Birth** : 10-04-1970
- 5. Date of joining JNTU Service** : 20-06-2003
- 6. Residential Address** : Plot No: 25, Nagarjuna Bank colony,  
Valasapakala, Kakinada-533003
- 7. Phone No** : 9440107978 (Mobile); 0884-3205500(Office)
- 8. Mail\_id** : [vemu\\_sree@rediffmail.com](mailto:vemu_sree@rediffmail.com)
- 9. Blood Group** : O<sup>+</sup>
- 10. Qualification** : M.Tech (Water Resources Engineering)  
Ph.D (Currently pursuing from JNTU, Kakinada,  
2004)
- 11. Experience**
- (a) Teaching** : (i) 14-09-1995 to 02-11-1996  
(SES College of Engineering, Kopergaon, Maharashtra)
- (ii) 20-06-2003 to till date (JNTU, Kakinada, AP)
- (b) R & D** : 06-11-1996 to 19-06-2003 (Scientist, National  
Institute of Hydrology, Roorkee, Uttaranchal)
- 12. Field of Specialization:** Remote Sensing, GIS, Hydrological Modeling and  
Watershed Management
- 13. Subject of interest (teaching)** : Remote Sensing, GIS, Water Resources Engineering,  
Surface and Ground Water Hydrology, Open Channel  
Flows, Fluid Mechanics and Hydraulic Machines
- 14. Membership of Professional  
Bodies** : Indian Society of Remote Sensing, Dehradun, India
- 15. Member Curriculum development  
Bodies (such As BOS)** : Member, Dept. of Civil, JNTU College of Engineering,  
Kakinada.
- 16. No. of Conferences/ Workshops organized as Coordinator/Chairman**
- Faculty coordinator for national conference on Recent Advances in Civil Engineering, 2005, JNTU College of Engineering, Kakinada, AP, India.
  - Coordinator for National Conference on Water and Waste Management (NCWWM)-2007, JNTU College of Engineering, Kakinada, AP, India.
- 17. Publications**



## **I. Journal**

### **(a) National**

- i. *Sreenivasulu, V and Goyal, V.C. (2001). "Inventory of surface water bodies in Jammu and Kashmir", Journal of Hydrology, IAHR, 24(4), pp.53-64.*

### **(b) International**

- i. *S.V.N. Rao, B.S. Thandaveswara, and S. Murty Bhallamudi and **V. Sreenivasulu** (2003). "Optimal Groundwater Management in Deltaic regions using Simulated Annealing and Neural Networks"- Jr. of Water resources Management 17:409-428, (Kluwer Academic Publishers. Printed in Netherlands).*
- ii. *S.V.N.Rao, **V. Sreenivasulu**, S. Murty Bhallamudi, B.S. Thandaveswara and K.P. Sudheer(2004)."Planning Groundwater Development in coastal aquifers" - Journal of Hydrological Sciences- des Sciences hydrologiques, 49(1).*
- iii. *S.V.N. Rao, B.S. Thandaveswara, S. Murty Bhallamudi, and **V. Sreenivasulu** (2004) "Planning Groundwater Development in coastal Deltas with Paleo Channels" - Journal of Water Resources Management: 1-15 (Kluwer Academic Publishers. Printed in Netherlands).*

## **II. Conferences**

### **(a) National**

- i. ***Sreenivasulu, V.**, Omkar, Rai, S.P. and Vijay Kumar. (2001). "Estimation of Hydrological parameters of Basantar sub-catchment, J&K", National Conference on *Resources Conservation & Watershed Management Technology options and future strategies*, Indian Association of Soil & Water Conservationists, Central Soil & Water Conservation Research and Training Institute, Dehradun, India,. Pp.42-46.*
- ii. *Goyal, V.C., Vijay Kumar., Omkar., **Sreenivasulu, V.** and Rai, S.P.(2001). "Hydrological Investigation in Juni nadhi watershed near Katra", National Conference on *Resources Conservation & Watershed Management Technology options and future strategies*, Indian Association of Soil & Water Conservationists, Central Soil & Water Conservation Research and Training Institute, Dehradun, India,. Pp.164-167.*
- iii. ***V.Sreenivasulu** & P. Udayabhaskar (2007). "Geographic Systems approach to predicting runoff", National Conference on Water and Waste Management, JNTU College of Engineering, kakinada, 23-24 April, 2007. Pp. 108-112.*

### **(b) Internal**

- i. ***Sreenivasulu, V.**, Vijay Kumar, and Goyal, V.C. (2000). "Remote Sensing and GIS Application for Soil loss Estimation in Devak Watershed using USLE Model", Proceedings of the International conference on remote sensing and GIS/GPS, ICORG-2000, JNTU, Hyderabad, India, vol. I, pp.520-525.*
- ii. ***Sreenivasulu, V** and Vijay Kumar. (2000). "Landuse / landcover mapping and Change Detection using Satellite Data- A Case Study of Devak Watershed (J&K)",*

Proceedings of the International conference on remote sensing and GIS/GPS, ICORG-2000, JNTU, Hyderabad, India, vol. II, pp. 507-513.

- iii. Prabhakara, J., Gupta, B.B., **Sreenivasulu, V.** and Vijay Kumar. (2000). "Re-estimation of area waterlogged through GIS technique in a distributary command- A case study", Proceedings of the International conference on remote sensing and GIS/GPS, ICORG-2000, JNTU, Hyderabad, India, Vol. II, pp.312-318.
- iv. Jayakanthan, V.S., **Sreenivasulu, V.**, Rao, Y.R.S and Ramasastri, K.S. (2002). "Reservoir Capacity Estimation Using Satellite Data", International Symposium on Resources and Environmental Monitoring. APRS & SIS, Vol. 34, Part 7, pp. 863-866.
- v. **Sreenivasulu, V** and Hariprasad, V. (2004). "Estimation of runoff in Nagwan watershed using AGNPS Model and ILWIS GIS", International Symposium on Lowland Technology (ISLT-2004), Bangkok, Thailand, September 1-3, 2004.

### **III. Technical Reports prepared at National Institute of Hydrology (NIH), Roorkee, India.**

- i. Inventory of Water Bodies in Western Himalayan Region, India using Remote Sensing & GIS Technique.
- ii. Landuse /Land Cover of Devak Catchment, J&K., India
- iii. Remote Sensing and GIS Application for Soil Erosion Estimation in Devak Watershed, Jammu &Kashmir, India using USLE Model
- iv. Prioritization of Indravati catchment using Remote Sensing and GIS
- v. Water balance of Errakalava Catchment using Remote Sensing GIS approach
- vi. Geomorphological Study of Devak Basin
- vii. Estimation of Runoff in Nagwan Watershed (Bihar) using AGNPS model and ILWIS GIS
- viii. Soil Physio-Chemical Properties of Basantar Catchment, J&K, India
- ix. Sedimentation Study of Poondi reservoir using Remote Sensing Technique
- x. Representative basin studies
- xi. Effects of Forest Cover Changes on Storage Capacity of Upper Indravathi Reservoir

### **18. Training Courses/Workshops/ Conferences attended:**

#### **a) Training Courses Attended**

- i. **Industrial training course** at Central Water and Power Research Station, Pune, from 4.5.92 to 11.6.92

- ii. Training course on **“Hydrological Modeling”** at National Institute of Hydrology, Roorkee, India from 20.1.97 to 31.1.1997.
- iii. Four-month training course on **“Geographic Information System Application in Water Resources Management”**, at Indian Institute of Remote Sensing, Dehradun, India from 4-8-97 to 28-11-97.
- iv. Training course on **“ERDAS Imagine 8.3.1 (Image Processing package)”** at National Institute of Hydrology, Roorkee, India 27-4-98 to 1-5-98.
- v. Training Course on **“Remote Sensing and GIS Application in Water Resources”** at National Institute of Hydrology, Roorkee, India from 13-12-99 to 24-12-99.
- vi. One-week training course on **“ArcView GIS, Data Automation Kit (DAK), Spatial Analyst”** at Deltaic Regional Center, NIH, Kakinada, India from 18-06-01 to 22-06-01.
- vii. Training course on **“ERDAS Imagine 8.5 (Image Processing package)”** at National Institute of Hydrology, Roorkee, India, from 10-12-01 to 14 -12-01.
- viii. GIS Training program on **“Introduction to ArcGIS 9.0”** at ESRI India, New Delhi from 19-04-2005 to 15-04-2005.
- ix. Training course on **“Integrated Surveying using Total Station and GPS”** at GVP College of Engineering, Visakhapatnam, from 12-03-2007 to 16-03-2007.
- x. Training Course on **“Soft Computing Techniques in Water Resources Management”**, IIT Bombay, Mumbai, November 19-23, 2007.

#### ***b) Workshops Attended***

- i. **“Hydrological Problems & Perspectives in Western Himalayan Region”** at Regional Research Laboratory, Jammu, organized by Western Himalayan Regional Center, NIH, on 14<sup>th</sup> March 1997
- ii. **“Hydrology of the Western Himalayas: Challenges in the New Millennium”** at Jammu University, organized by Western Himalayan Regional Center, NIH, on 28<sup>th</sup> January 2000.
- iii. **“Application of Remote Sensing and GIS”** at Deltaic Regional Center, National Institute of Hydrology, Kakinada from 11-13, September 2001.
- iv. **“Groundwater Modeling & Conjunctive use, with special reference to coastal and Deltaic region”**, Organized by NIH, Kakinada at State Groundwater and Surface water Resources Data Center, PWD, Tharamani, Chennai from June 10-14, 2002.
- v. **“Environmental Management”** at JNTU College of Engineering, Kakinada, AP, India 17-11-2004 to 07-11-2004
- vi. **“Weather modification and cloud Seeding Techniques for rain water enhancement”**, JNT University, Hyderabad, India, 27-28 January 2005.
- vii. National Workshop on **“Environmentally sustainable water resources management methodologies”**, JNT University, Hyderabad, India, 3-4 July 2006.
- viii. National Workshop on **“mitigating the challenge of water scarcity”**, Andhra University College of Engineering, Visakhapatnam, 22 March 2007.
- ix. **“Competency Based Curriculum Design”** , JNTU College of Engineering, Kakinada, 8<sup>th</sup> April, 2007

#### ***C) Conferences***

- i. National conference on **“Hydrological Problems & Perspectives in Western Himalayan Region”** at Regional Research Laboratory, Jammu, organized by Western Himalayan Regional Center, NIH, on 14<sup>th</sup> March 1997.
- ii. **“Geomatics 97: Disaster Management”** at Indian Institute of Remote Agency, Dehradun, from 18<sup>th</sup> to 20<sup>th</sup> September 1997.
- iii. **“ICORG-2000”**, JNTU, Hyderabad, India
- iv. National conference on **“Hydrology of the Western Himalayas: Challenges in the New Millennium”** at Jammu University, organized by Western Himalayan Regional Center, NIH, on 28<sup>th</sup> January 2000.
- v. National Conferences on **“Recent Advances in Structural Engineering”**, JNTU College of Engineering, Kakinada, 11-12 February, 2006.
- vi. National Conference on **“Water and Waste Management”**, JNTU College of Engineering, Kakinada, 23-24 April, 2007
- vii. National Seminar on **“Case Studies in Engineering Soils”**, JNTU College of Engineering, Kakinada, 2<sup>nd</sup> October, 2007.

**19. Countries visited on academic activity:**

Jackson State University, Mississippi, USA