

BIO-DATA



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Father's Name : Sri. M. V. Subbaiah
Date of Birth : 04-06-1971
Marital Status : Married
Sex : Male
Passport No : A-5071958

EDUCATIONAL QUALIFICATIONS

Course	Name/Location of the College	Name/Location of the University	Major	Year of Passing	% of Marks
S.S.C	Govt. Jr. College, Ardhaveedu.	Board of Secondary Education, Hyderabad.		1986	72
D.C.E	SVKP Polytechnic, Cumbum.	State Board of Tech. Edu. & Training, Hyderabad, AP.	Civil Engg.	1990	79 First class with Distinction
B. Tech.	V.R.Siddartha Engg. College, Vijayawada	Nagarjuna University, Nagarjuna Nagar.	Civil Engg.	1993	73% First class with Distinction
M. Tech	Indian Institute of Tech., (IIT), Kharagpur.	Indian Institute of Tech., (IIT), KGP.	Water Res. Dev&Mgmt	1995	8.63/10.0
Ph. D	J N T U, Kukatpally	J N T University, Hyderabad	Water Res Engg	March, 2007	NA

ACADEMIC EXPERIENCE

March 2015 to till date : Associate Professor. CWR, IST, JNTUH
Mar, 2012 to March 2015 : Assistant Professor, (AGP-8000), CWR, IST, JNTUH
2007 - 2012 : Assistant Professor,(AGP-7000)
2006 - 2007 : Assistant Professor, (AGP-6000)
2002 - 2006 : Assistant Professor, CMRCET, Hyd
1999 to 2002 : State Manager, M/s. Netafim Irrigation India Pvt. Ltd.,
1995 to 1999 : Design In-Charge in M/s Jain Irrigation Systems limited

ADMINISTRATIVE EXPERIENCE

2014 to till date : Coordinator TEQIP – II
Feb 2015 to till date : Head Centre for Water Resources
2015 to till date : Coordinator CEAWMT
Dec 2009 to Sep 2013 : Additional Controller of Examinations
2008 to 2010 : Coordinator TEQIP – I
2007 to 2009 : Officer-in-Charge Examinations, IST
2007 to 2009 : PTPG –Coordinator

INDUSTRIAL EXPERIENCE

- Design of water pipeline for BHEL industry to distribute STP water to various blocks to irrigate lawns and horticulture crops.
- Developed a methodology for dispose of flash flood water in TCS campus using Remote Sensing and GIS systems
- Coordinator for the 3rd party quality control and quality assurance for Hyderabad Metropolitan Water Supply and Sewerage Board (HMWS&SB), Hyderabad
- Co-member in the preparation of PFR's and DPR's for three mini hydel stations in Andhra Pradesh.
- Member of expert team in verification of Irrigation works carried out under NFFWP (National Food for Work Program) in Ranga Reddy District of Andhra Pradesh.
- Participated in the process of finalizing technical bids of AP TRIPCO for construction of Mini hydel Stations in Andhra Pradesh.

RESEARCH PROJECTS

Sl. No	Status of the research project	No. of projects
1	Completed	07
2	Ongoing	04
3	Submitted	04
Total		15

Ongoing research projects

S. No	Project Title	Funding agency	Duration	Grant Amount in lakhs
1	Validation of hyper-spectral remote sensing based drought assessment through water balance and geomatic approach	AICTE, RPS, New Delhi	3 years	10.91
2	Drinking water Augmentation to SC communities in fluoride effected area of Nalgonda district through rain water Conservation	NRDMS, DST, New Delhi	2years	5.52
3	A novel approach for reduction of fluoride concentration in fluoride affected village with geo- textile as filter and direct recharge of surplus runoff into aquifers	TSCOST	1 year	8.50
4	Technical report on augmentation of groundwater through rainwater/surface runoff harvesting scheme in estate & factory area at Ordnance Factory Medak	Ordinance Factory	1 Year	11.75 lakhs

Completed research projects

S. No.	Project Title	Funding agency	Duration	Grant Amount in rupees
1	Ultra micro level water shed management using Geomatics	AICTE, RPS, New Delhi	3 years	9.5 lakhs
2	Demonstrative rainwater harvesting structures in JNTUH campus – Phase –I	CGWB, MoWR, New Delhi	2 years	27.93 lakhs
3	Demonstrative rainwater harvesting structures in JNTUH campus – Phase –II	CGWB, MoWR, New Delhi	2 years	12.00 lakhs
4	Development of Hybrid Power Generation Model using Rain water, Solar and Wind	Institute of Engineers (India), Kolkata	3 Years	0.6 lakhs
5	Rooftop rainwater harvesting, use and artificial recharge in urban scenario using Geomatics	AICTE, RPS, New Delhi	2 years	14.5 lakhs
6	Hyperspectral remote sensing based crop inventory	UGC, New Delhi	3 years	12 lakhs

7	Urban Lake water quality Monitoring-A people's participation approach Funding Agency:	Earth Watch International NGO, International Funding	3 Years	7
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Research projects submitted

S. No	Project Title	Funding Agency	Duration	Grant Amount in rupees
1	Assessment of Nitrate Concentration in Ground Water and its Effects on Human health at village level	Ministry of Environment & Forests Paryavaran Bhawan CGO Complex, New Delhi.	3 years	50,35,200
2	Fluoride in Indian drinking water from reverse osmosis concentrates: environmental impact, technical solutions and safe disposal mechanisms	Uk-Indo project	3 years	562348.78 pounds, our share -1.65 crores
3	Demonstration and Education of best practices of Rainwater Conservation in Fluoride affected areas	DST eco wash	2 years	16.6 lakhs
4	Spatio-temporal effects of Urbanization on Surface Water bodies – A Citizen Science Leaders concept	Earth watch	2 years	4.0 lakhs

PATENTS:

- A Patent Titled “Replenishing Aquifers with Excess Surface Flows above Fsl of Canals/ Tanks/ Lakes through Filter Coupled Recharge Shaft” with application number 6710/CHE/2015 A published in gazette dated 15/01/2016.
- A Patent Titled “Application of Geo Membrane Sheet In The Rain Water Harvesting Structures” with application number 640/CHE/2015 A published in gazette dated 24/04/2015

RESEARCH PUBLICATIONS

Publications	International	National	Total
Journals	32	8	40
Conferences	36	65	101
Books/Proceedings	0	08	08
Total	68	81	149

PAPERS PUBLISHED IN INTERNATIONAL JOURNALS

1. **Giridhar. M.V.S.S.** and Viswanadh G.K “**Performance Evaluation of ET_o Equations for Palleru Sub Basin of River Krishna, India**” Journal of Current Sciences 10(1), 2007, PP: 09-18 (ISSN : 0011-3891)
2. **Giridhar. M.V.S.S.**, and Viswanadh.G.K., “**Development of Semi Distributed Conceptual Rainfall-Runoff Model for a Semi Arid Area**”, International journal of Tropical Agriculture, Vol 25.no: 4 October-December 2007, PP:1075-1086, (Impact Factor 2.8) (ISSN: 0254-8755)
3. **Giridhar. M.V.S.S.**, and Viswanadh G.K. “**Comparison of Radiation Based Reference Evapotranspiration Equations with FAO-56 Penman Monteith Method**” International Journal of Computer Science and System Analysis 1(2) July-December 2007, PP. 149-158. (ISSN: 0973-7448).
4. **Giridhar. M.V.S.S.**, Viswanadh.G.K. and S.K.C. Acharyulu “**Geomatics applications for land use land cover at micro level**” International Journal of Environment and Development, Vol.5 No.2, December, 2008, PP:145-153. (ISSN: 0973-3574)
5. Md. Nazia Firdouse, **Giridhar M.V.S.S.**, S. Durga Bhavani G.K.Viswanadh and A.S.Chandra Bose, “**Development of Web-GIS Based College Information System**”, International Journal of Applied Engineering Research Dindigal, Vol.2.No.2, 2011, pp: 570-577 (IJAERD IC Value: 4.07). (ISSN: 0973-4562)
6. Ch. Ramesh Naidu and **Giridhar M.V.S.S.**, “**Geo-spatial Database Creation for Wazirabad Canal Command Area**”. Journal of Geographic Information System, Vol.3 No.4, October 2011, PP.290-297 (ISSN: 2151-1950).
7. **Giridhar M.V.S.S**, Chandra Bose A.S and Viswanadh G.K “**Identification of Suitable Locations for Rooftop Rainwater Harvesting Structures**” International Journal of Applied Science and Engineering Research, Volume: 1, Issue:1, April 2011, PP: 101-106. (ISSN: 2277 - 8442).
8. A.S.Chandra Bose, P.Sridhar, **Giridhar M.V.S.S** and G.K.Viswanadh “**Morphometric Analysis at Mini Watershed Level Using GIS**” International Journal of Civil Engineering Research, ISSN 2278-3652 Volume 3, Number 3 (2012), pp. 157-171 (ISSN: 2278-3652).

9. P.Sridhar, A.S.Chandra Bose, **Giridhar M.V.S.S** and G.K.Viswanadh "**Watershed Delineation and Stream Network analysis using GIS**" International Journal of Watershed Engineering (IJWE), Vol.1, Issue 1, PP 1-13. (ISSN: 9999-0015).
- 10.A.S. Chandra Bose, G.K. Viswanadh and **Giridhar M.V.S.S** "**Computation of Watershed Parameters using Geoinformatics**", International Journal of Geomatics and Geosciences, Vol.2, No: 3, 2012. pp: 770-786, (IJGGS IC Value: 4.39). (ISSN: 0976-4380).
- 11.Indira Priyadarsini, **Giridhar M.V.S.S**, G.K.Viswanadh, Smt. M. Arathi and A.S. Chandra Bose, "**Development of Spatial Analyst toolbar in ArcGIS**" International Journal of Advances in Remote Sensing and GIS, Vol 1 Issue:1, August 2012, PP:25-30 (ISSN: 2277-9450).
- 12.Sridhar.P, Chandra Bose A.S, **Giridhar M.V.S.S** and Viswanadh G.K "**Prioritization of Miniwatershed Based on Morphometric Analysis Using GIS**" International Journal of Geomatics and Geosciences, Vol 3, No: 2, 2012 pp:314-320, (IJGGS IC Value: 4.39). (ISSN: 0976-4380).
- 13.**Giridhar. M.V.S.S** "**Relationship of Open Pan Evaporation Rate with Meteorological Parameters in Andhra Pradesh, India**" International journal of Tropical Agriculture, Vol.31 No.1-2 (2013), (Impact Factor 2.8) (ISSN: 0254-8755)
- 14.**M.V.S.S. Giridhar**, Ch. Ramesh naidu "**GIS Based Approach For Canal Conveyance Losses**", International Journal of Engineering Research & Technology (IJERT) Vol. 2 Issue 12, December – 2013, (Impact Factor 2.8), ISSN: 2278-0181
- 15.Ch. Ramesh naidu and **Giridhar M.V.S.S.** "**A GIS Approach for Estimation of Irrigation Water Requirements and Scheduling in Canal Command Area**" International Journal of Engineering Research & Technology (IJERT), Vol. 3 Issue 3, March – 2014, pp:1088 – 1091, Impact Factor: 1.76, ISSN: 2278-0181
- 16.**M.V.S.S. Giridhar** and M. Anjaneya Prasad, "**Fuzzy Logic Simulation For Ground Water Recharge Estimation Using Soil Water Balance Method**" International Journal of Social Science and Management (Research Revolution) volume III, Issue 2, November 2014, pp: 51-56, ISBN: 2319-300X. (Impact factor 4.472)
- 17.**Giridhar. M.V.S.S** and Viswanadh. G.K., "**Evaluation of radiation based RET equations for Palleru sub basin, A.P., India**" International Journal of Computer Science & System Analysis, Vol.1 No.2, Dec-2007.
- 18.**M.V.S.S.Giridhar** and P. Suneel "**Net Radiation Estimation From A Remotely Sensed Data Using Sebal Model**" International Journal of Engineering Research , (HYDRO 2014 International) Issue Special 3 ISSN:2319-6890(online),2347-5013(print), 18-19, Dec. 2014, pp 291-295.
- 19.**Giridhar M.V.S.S**, Madaka Madavi, E. Ramakrishna Goud and Ramaraju Anirudh "**Analysis of pressures on Nagarjunasagar Spillway**" EC Agriculture (ECAG) journal, Online Journal, volume I, Issue 1, January 2015, pp: 23-34.
- 20.**Giridhar M.V.S.S**, Madaka Madavi and Ramaraju Anirudh "**Assessment of pressures on Spillways Using aerators and air vent pipes**" International journal of Scientific and Engineering Research (IJSER), Volume 6, Issue 2, February 2015, pp: 176-180, ISSN: 2229-5518.

21. **Giridhar M. V. S. S**, Trisul Kumar.G and Anirudh Ramaraju “**Applications of Infiltration Studies for Effective Management of Water Resource in a Coastal Belt**” International Journal of Scientific & Engineering Research(IJSER), Volume 6, Issue 8, August 2015, pp:1675 -1680, ISSN: 2229-5518.
22. **Giridhar M. V. S. S**, Ramaraju Anirudh, G. Sreenivasa Rao, P. Sowmya “**DEM Processing for Watershed Delineation using QSWAT**”, International Journal of Scientific & Engineering Research, Volume 6, Issue 8, August 2015, pp:1670 - 1674, ISSN: 2229-5518.
23. **Giridhar M. V. S. S**, Siva Vani N. and Ramaraju Anirudh “**Estimation of Hourly Reference Evapotranspiration**”, International Journal of Scientific & Engineering Research, Volume 6, Issue 8, August 2015, pp: 1681 -1686, ISSN: 2229-5518.
24. **Giridhar M.V.S.S.**, and K. Divya Chowdary “**Spatial Distribution Of Ground Water Quality After Rain Water Recharge In JNTUH Campus**” published in International Journal of Scientific Research in Engineering and Technology Journal, volume:4, Special issue-1; eISSN: 2319-1163 | pISSN: 2321-7308 (Impact factor 3.8). 2015.
25. Ch.Ramesh Naidu, M.V.S.S Giridhar, “**Un-Supervised Classification of Rice Crop using IRS LISS III Satellite Images for Wazirabad Command Area**” International Journal Of Engineering Development And Research 2016 IJEDR | Volume 4, Issue 2 | ISSN: 2321-9939,pp1568-1571.
26. **Giridhar M.V.S.S**, Chandra Bose A.S and Viswanadh G.K “**Assessment of Metrological drought using spatial information technology**” International Education and Research Journal (IERJ) E.ISSN: 2454-9916, volume -3, Issue-5, May 2017, pp: 588-590.
27. **Giridhar M.V.S.S**. and Rameshwar Rao “**Rooftop Rainwater Harvesting for Recharging Shallow Groundwater**” Journal of earth science climate change (JESCC) an open access journal , ISSN 2157-7617, Volume 5, 2014, Issue -6 pg:97.
28. Ramana Rao N V, Anirudh Ramaraju, **Giridhar M V S S** and Viswanadh G K. “**Spatial analysis of surface water quality in and around GHMC using GIS**” International Conference on Geology., J Geol Geosci 2015 Volume 4 Issue 3 ISSN: 2329-6755, JGG an open access journal June 22-23, 2015 Florida, USA.
29. P. Sowmya, **Giridhar M.V.S.S**. “ **Analysis Of Continuum Removed Hyper Spectral Reflectance Data Of Capsicum Annum Of Ground Truth Data**” in International Journal Of Advances In Computational Sciences And Technology (ASCT) , by Research India publications, ISSN 0973-6107 Volume 10, Number 8 (2017) pp. 2233-2241.
30. **Giridhar. M.V.S.S**. and Viswanadh G.K “**Rainfall –Runoff modeling using semi distributed conceptual approach**” International journal of recent innovation in engineering and research (IJRIER), e- ISSN: 2456 – 2084, Volume: 02 Issue: 06 June– 2017, pp 66-73.
31. **Giridhar M.V.S.S**, Chandra Bose A.S, Viswanadh G.K “**Assessment of Meteorological Drought Using Spatial Information Technology**” International Education & Research Journal [IERJ], E-ISSN No: 2454-9916, Volume: 3, Issue: 5, May 2017. Pp 588-590.

32. **Giridhar M.V.S.S.**, G.K.Viswanadh, A.S. Chandra Bose and V. Lalitha “**Spatial Analysis of Groundwater Quality Parameters using GIS**”, **Research revolution Journal International Journal of Social Science & Management**, Volume - V, Issue - 9 30 June 2017ISSN: 2319-300ximapct factor 5.007, pp:1-8.

PAPERS PUBLISHED IN NATIONAL JOURNALS

1. **Giridhar. M.V.S.S.** and Viswanadh G.K “**Semi Distributed Conceptual Rainfall-Runoff Model using GIS**” *Journal of GIS India*, Volume 15, No:8 , August 2006, PP:03-04 (ISSN : 0972-5776)
2. Viswanadh G.K, P. Kanaka Durga and **Giridhar. M.V.S.S.**, “**Comparison of Class ‘A’ Pan Co-Efficient Equations**” *Journal of Applied Hydrology*, Vol. XIX, No.4, pp-28-36, October, 2006. (ISSN : 0971-670X)
3. **Giridhar. M.V.S.S.**, and Viswanadh. G.K., “**Comparison of temperature based reference evapotranspiration equations for Palleru sub basin, A.P., India**” *Journal of Applied Hydrology*, Vol: XXI, 3 & 4, July & Sep 2008, PP:80-90. (ISSN :0971-670X)
4. **Giridhar. M.V.S.S.**, and Viswanadh. G.K., “**Runoff Estimation in an Ungauged Watershed using RS and GIS**”, *Journal of Indian Water Works Association*, January – March, 2009, PP:32-49. (ISSN : 0970-275X)
5. **Giridhar M.V.S.S.**, A.S. Chandra Bose, B. Srinivasulu and G.K.Viswanadh “**Spatial Analysis of Drought for Telangana Region, A.P**” paper sent for possible publication in the *Journal of Hydrology*, Roorkee, on 05th May, 2011(ISSN : 0022-1694)
6. A.S. Chandra Bose G.K.Viswanadh and **Giridhar M.V.S.S.**, “**Development of Fully Distributed Rainfall - Runoff Model (FDRRM) using RS and GIS**” *Journal of Applied Hydrology*, JAH XXIV –No 3&4, Jul & Sep.2011 (ISSN : 0971-670X) pp: 76-83.
7. **Giridhar M.V.S.S.**, G.K.Viswanadh, A.S. Chandra Bose and Bhowmik G Nani “**Rainfall-Runoff Modeling using Semi Distributed Conceptual Approach**” sent for possible publication in the *Indian Water Resources Society* on 30th April, 2012. (ISSN : 0970-6984)
8. B.Rajasekhar, G.V.Ramana, **M.V.S.S.Giridhar**, **G.K.Viswanadh**, “**Effective water Distribution system using SCADA – A case study of Vijayawada Municipal Corporation , Andhra Pradesh , Technology Spectrum , JNTUH**, Vol.6,No.1&2, July 2013, pp.95-102.

PAPERS PRESENTED IN INTERNATIONAL CONFERENCES

1. **Giridhar. M.V.S.S.**, A.T. Jayaseelan and K.N. Tiwari “**Validation of Satellite Derived Drought Assessment through Water Balance Approach at Mandal Level**”, *Proc. of International Conference on Hydrology and Watershed Management*, organized by J.N.T.U, Hyderabad, India, during 18th – 20th December,2002.
2. Viswanadh G.K., Mohd Ali Md. and **Giridhar M.V.S.S.**, “**Land use / Land cover changes in Dharmabad Watershed**” *Procs. of the international conference on*

Advanced modeling techniques for sustainable management of water resources, organized by NIT, Warangal, A.P, India. January, 2004, pp338-340.

3. Viswanadh G.K., Vidyadhar M. and **Giridhar M.V.S.S.**, “**Rain fall Analysis in Ranga Reddy District**” procs. of the international conference on Advanced modeling techniques for sustainable management of water resources, organized by NIT, Warangal, A.P, India. January 2004, **PP:.**
4. **Giridhar. M.V.S.S.** and Viswanadh G.K “**Estimation of Reference Evapotranspiration for an Irrigation Project Site in Andhra Pradesh, India**” Procs of International Conference Environmental Management (ICEM-2005), during 28th-30th October 2005 at JNTU, Hyderabad, PP: .216-223(No ISBN).
5. **Giridhar. M.V.S.S.** and Viswanadh. G.K., “**Irrigation Scheduling based on Actual Evapotranspiration in K-7 basin of the River Krishna, India**”, Procs. of the International Symposium on Recent Advances in Water Resources Development and Management-2005 (RAWRDM-2005), organized by IIT., Roorkee, during 23rd to 25th November-2005.
6. **Giridhar. M.V.S.S.**, and Viswanadh. G. K., “**Comparison of reference evapotranspiration equations in Andhra Pradesh, India**”, Proc. of International conference at Omaha, Conducted by ASCE, EWRI, Nebraska, USA in the month of March 21st 2006, PP:.
7. **Giridhar. M.V.S.S.** and Viswanadh G.K “**Meteorological Drought Analysis Using GIS,**” procs of the International conference on Geomatics for rural development – Achieving synergy between technical and social systems, to be held 5-8th June 2006, organized by research & development cell, JNTU, Hyderabad and Geomatics cell,
8. **Giridhar. M.V.S.S.**, and Viswanadh.G.K., “**Semi Distributed Runoff Model for a Semi Arid Area of Andhra Pradesh - A Geomatic Approach**” published in the international conference organized by IASTED in the month of 20-22 August 2007 at Honolulu, Hawaii, USA, PP: 85-90. ISBN: 978-0-88986-679-9.
9. Viswanadh G.K, P. Kanaka Durga and **Giridhar. M.V.S.S.**, “**Estimation of Reference Crop Evapotranspiration by Developing a Software–Application to a Sub Basin of River Krishna, India**” Procs. of the International Conference An International Perspective on India Environmental and Water Resources organized during 18th-20th December 2006, organized by American Society of Civil Engineers (ASCE), at IIT, Kanpur.v
10. **Giridhar. M.V.S.S.** and Viswanadh G.K “**Meteorological Drought Analysis in a K-11 Basin of River Krishna Using GIS, India**” Proceedings of the International conference on Geomatics for rural development –Achieving synergy between technical and social systems, JNTU, Hyderabad June 2006.
11. **Giridhar. M.V.S.S** and Viswanadh.G.K, “**Development of Semi Distributed Conceptual Rainfall-Runoff Model for a Semi Arid area using STANFORD-IV Model**” Procs of the international conference, organized by IASTED, at Honolulu, Hawaii, USA Aug. 2007.
12. **Giridhar. M.V.S.S.**, Satyanarayana B. and Viswanadh.G.K. “**Mapping of evapotranspiration Zones in India using GIS**” Proc of the international conference on Water, Environment, Energy and Society (WEES-2009) January

- 12-16,2009,New Delhi, India. pp 2007-2014, volume III, ISBN: 978-81-8424-401-4.
13. **Giridhar. M.V.S.S.** and Viswanadh G.K “**Evaluation of land use land cover changes in Palleru (K-11) sub basin of river Krishna using GIS and NDVI**” International conference on World Environmental and Water Resources Congress 2009 organized during May 17-21, 2009, Kansas City, Missouri, United States, ISBN (print): 978-0-7844-1036-3 pp. 1-12.
 14. **Giridhar. M.V.S.S** and Viswanadh. G.K., “**Evaluation of Daily Reference Evapotranspiration Using Minimum Data**” Procs. of the international conference organized by EWRI and ASCE in the month of 12-16 May 2008 at Honolulu, Hawaii, USA.
 15. Giridhar. M.V.S.S and Viswanadh.G.K.,“**Comparison of Mc.Cloud and FAO-56 Penman-Monteith for Daily Reference Evapotranspiration Estimation for K-11 sub Basin of River Krishna, India**” Procs. of the international conference World Environmental & Water Resources Congress 2008 organized by EWRI and ASCE in the month of 12-16 May 2008 at Honolulu, Hawaii, USA.
 16. D. Sravani **Giridhar M.V.S.S.**, .P. Praneeth M.K. Rami Reddy Md.Ilyasuddin “**Web 2.0 Mapping Mashup Applications for Academic Universities–Comparative Case Study (Secure Google Maps API versus Microsoft Virtual Earth API)**”, International Conference on Advanced Computing Technologies (ICACT 2008), organized at Gokaraju Rangaraju Institute of Engineering and Technology (GRIET), Hyderabad, 26 – 27 December 2008, Proceedings published by BS Publishers pp. 591 – 598., ISBN No: 971-81-7800-188-3.
 17. **Giridhar. M.V.S.S.**, S.K.C.Acharyulu., and Viswanadh.G.K., “**Preparation of 3D Surface and Land use/land cover maps- A Geomatic Approach**” Proc. of the International Conference on Hydrology and Watershed Management with a focal theme on Climate change- water, Food and Environmental Security, organized by Centre for water resources, IST, Jawaharlal Nehru Technological University, Hyderabad, 03-05 Feb 2010, PP:1031-1036, ISBN: 978-81-7800-224-8.
 18. A.S. Chandra Bose, **Giridhar. M.V.S.S** and Viswanadh. G.K “**Land Use Land Cover Classification – A Geomatic Approach**” Proc of the international conference 31st Asian Conference on Remote Sensing 2010 (ACRS 2010), held during 01-05 November, 2010 at Hanoi, Vietnam. Pp 686- 693, ISBN: 9781617823978.
 19. A.S. Chandra Bose, **Giridhar. M.V.S.S.** and Viswanadh. G.K., “**Identification of Ground Water Potential Zones using RS and GIS**” Proc of the international conference 31st Asian Conference on Remote Sensing 2010 (ACRS 2010), held during 01-05 November, 2010 at Hanoi, Vietnam. Pp 327-333, ISBN: 9781617823978.
 20. A.S.Chandra Bose, P.Sridhar, **Giridhar M.V.S.S** and G.K.Viswanadh “**Morphometric Analysis of Mini watersheds using Geomatics**” Proc of the 14th International Conference on Computing in Civil and Building Engineering in Moscow, Russia, held on 27th -29th, June 2012. ISBN 978-5-93093-877-7.
 21. A.S. Chandra Bose, **Giridhar M.V.S.S.**, S.Ramulu and G.K.Viswanadh “**Geomatics for Spatial Analysis of Rainfall**” proceedings of 5th international

- conference on Water, Climate and environment during 28th May to 02nd June, 2012 at Ohrid, Republic of Macedonia, pp 1-7. ISSN 978-608-4510-10-9.
22. **Giridhar. M.V.S.S.**, Nageswra Rao U and G.K.Viswanadh “**Spatial Decision Support System for Ground Water quality Management at Village Level using Geomatics**” proceedings of International Conference on Environmentally Sustainable Urban Ecosystems (ENSURE-2012), organized by Department of Civil Engineering, Indian Institute of Technology Guwahati, Guwahati, Assam, INDIA, February 24-26, 2012.pp 140 (abstract volume) (No ISBN)
 23. A.S.Chandra Bose, G.K.Viswanadh, **Giridhar M.V.S.S.** and P.Sridhar “**Assessment of Land Use Land Cover Changes in Middle Godavari (G-5) Sub Basin Of River Godavari using RS and GIS**” proceedings of XIX International Conference on Water Resources, CMWR 2012, University of Illinois at Urbana-Champaign, June 17-22, 2012.ISBN PP
 24. **Giridhar M.V.S.S.**, B. Srinivasa rao, A.S. Chandra Bose and G.K.Viswanadh “**A Geomatic Approach to Drought Analysis**” Procs. of International conference on towards geo-enabled economy, scheduled during 22-24 Jan 2013, organized by India Geospatial Forum at Hyderabad.
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4. Proceedings of (ICRAMAV-2012) International conference on recent advances in design, development and operation of micro air vehicle, 10-12, December,2012, *ISBN: 978-81-7800-281-1.* **Authors:** G.K.Viswanadh and **M.V.S.S. Giridhar**
5. Proceedings of Proceedings of Two day National conference on Water, Environment and Society organized by CWR, JNTUH on June 30th – July 1st 2014 Published by BS Publications, *ISBN: 978-93-83635-13-9* **Authors:** **M.V.S.S. Giridhar**
6. Proceedings of 2nd Two day National conference on Water, Environment and Society organized by CWR,IST,JNTUH on 30th – 31st July 2015 Published by BS Publications, *ISBN: 978-93-83635-87-0* **Authors:** **M.V.S.S. Giridhar**
7. Proceedings of 3rd National conference on Water, Environment and Society organized by CWR, IST, JNTUH on 6th – 8th June 2016 Published by BS Publications, *ISBN: 978-98-5230-124-9* **Authors:** **M.V.S.S. Giridhar**
8. Proceedings of 4th National conference on Water, Environment and Society organized by CWR, IST, JNTUH on 16th – 18th March 2017 Published by BS Publications, *ISBN: 978-93-5230-182-9* **Authors:** **M.V.S.S. Giridhar**
9. Book Chapter in Springer book series title *Water Science and Technology Library. Spatial decision support system for ground water quality management at village Level using geomatics.*
10. Book chapter in Elsever publications with the chapter title *An Environmentally Sound Approach For Sustainable Rainwater Harvesting.*

DETAILS OF WORKSHOP/TRAINING/ CONFERENCE ORGANIZED AS COORDINATOR:

Sl. No	Title of the training course organized	Duration	Workshop/training/ conference
1	Two day national work shop on water shed management and environmental changes (WMEC)	20 th - 21 st September 2006	Work shop
2	Two day National conference on Watershed Management and Impact of Environmental Changes on Water Resources (WMEC-2007)	22 nd – 23 rd Feb 2007	Work shop
3	2 nd International conference on HYDROLOGY AND WATERSHED MANAGEMENT with a focal theme on Improving Water Productivity in the Agriculture	December 2007.	Conference
4	“World Water Day” celebrations	22 nd March 2007	Work shop
5	A 3-Day Awareness cum Training Programme on “Rainwater Harvesting and Water Conservation Methodologies	29 th -31 st March 2007	Training Programme
6	GIS for water and environmental technologies	25 th August to 16 th September, 2008	Training Programme
7	GIS for hydrologic applications	15 th to 29 th December, 2008	Training Programme
8	Geomatics applications for water resources and environment	15 th June to 04 th July 2009	Training Programme
9	Geomatics applications for sustainable water resources	19 th -31 st October, 2009	Training Programme
10	RS and GIS applications for water and environmental management	23-28 March, 2009	Training Programme
11	Applications of RS and GIS for Disaster Management (ARGDM-2011)	01 - 13 August, 2011	Training Programme
12	Three day International conference on Recent Advances in Design,	10 th - 12 th December, 2012	Conference

	Development and Operation of Micro Air Vehicles (ICRAMAV 2012)		
13	Applications of Geomatics for Disaster Management (AGDM-2013)	30-12-2013 to 11-01-2014	Training Programme
14	Two day National conference on Water, Environment and Society (NCWES-2014)	30 th June – 01 st July 2014	Conference
15	One- Day Awareness Campaign on Rain Water Harvesting in Urban Area for School Children	31 st January 2015.	Work shop
16	One Day workshop on Action For River Water Quality Improvement on the occasion of International Day of Action for Rivers	13 th March 2015	Work shop
17	“World Water Day” celebrations	22 nd March 2015	Work shop
18	3-day skill development programme on Soil & Water Assessment Tool (SWAT) modeling.	06 th – 08 th July 2015	Training programme
19	2 nd Two day National Conference on Water, Environment and Society (NCWES-2015)	30 th – 31 st July 2015	Conference
20	3 rd National Conference on Water, Environment and Society(NCWES-2016)	during 6 th -8 th June 2016	Conference
21	4 th National Conference on Water, Environment and Society (NCWES-2017)	16 th -18 th March 2017	Conference

DETAILS OF WORKSHOP/TRAINING/ CONFERENCE ATTENDED

1. A refresher course on “Water Management” conducted by the J.N.T. University, Hyderabad and sponsored by U.G.C. during 02-02-2004 to 22-02-2004
2. Training on “Erdas Image Professional, Vector & Virtual GIS” organized by ERDAS India Private Limited during 22 to 26 March 2005.
3. A refresher course on “Remote Sensing, GIS and GPS” conducted by the J.N.T. University, Hyderabad and sponsored by U.G.C. during 16-05-2005 to 4-6-2005

4. A training program on “Instructional Design and Delivery” conducted by National Institute of Technical Teachers Training & Research (NITTTR), Chennai, from 15th to 20th July 2005 at CMR College of Engineering and Technology, Hyderabad.
5. A training program on “ARC GIS 9.1” conducted by NIIT TCL, Hyderabad from 13th to 14th July 2005.
6. Pre conference tutorials on “GIS, GPS & Hyper spectral remote sensing” Organized by R & D Cell, JNTU, Hyderabad during 2th-4th June, 2006.
7. Training Programme on “Orientation Course” conducted by the J.N.T. University, Hyderabad and sponsored by U.G.C., in the month of 2nd May to 2nd June 2007.
8. Faculty Development Course on “Introduction to GIS and its Applications” conducted by National Remote Sensing Agency, Department of Space, Government of India, from October 1, 2007 to October 26, 2007.
9. A refresher course on “Water Management” conducted by the J.N.T. University, Hyderabad and sponsored by U.G.C.
10. Professional development programme on “Latest trends in environmental impact assessment (EIA) – Process & Procedures as per MoEF Guidelines” during 10th - 12th September 2007, at Engineering Staff College of India, Hyderabad.
11. International Workshop on Weather Modification Technologies (Cloud Seeding) (IWWMT) organized during 18-20 January 2007, at ASC-Auditorium Kukatpally, Hyderabad.
12. Two day workshop on “Solar Pumps in Rural Water Supply” organized during 10 - 11 July 2014, at Engineering Staff college of India, Autonomous Organs of the Institute of Engineers, Hyderabad.
13. Two day workshop on “Flood Assesment, Monitoring and Management using SAR data” on 17-18 November 2014,at NASA – ISRO Synthetic Aperture Radar(NISAR),organized by SAC, Ahmedabad.
14. Two day Workshop on “Hydrological Modelling with SWAT and Ground Water Modelling with Modflow” on 26-27 December,2014 at Department of Civil Engineering, IIT, Hyderabad.
15. A training program on “Managerial Effectiveness Enhancement Programme (MEEP)” organized by Department of Science and Technology, Institute of Management Training and Research(IMTR),GOA, from 19-23 January ,2015.
16. Two day workshop on “Stepping into Advanced Flow Reactors” on 25-26 February, 2015 was organized by Centre for Chemical Sciences and Technology (CCST), Institute of Science and Technology(IST),Jawaharlal Nehru Technological University, Kukatpally, Hyderabad.
17. Attended A One- Day workshop on *Urban Flood Management: Technology Driven Solutions* during November 20-21, 2015 at BITS Pilani, Hyderabad Campus.
18. Attended a training program for Management Capacity Enhancement Programmes (MCEPs) held at IIM Trichy from 12- 16 th October, 2015.
19. Attended a training on *Hyperspectral remote sensing* held at National Remote sensing centre Balanagar, 8th- 12th August 2016.
20. National Seminar on TROPMET-95, Organized by National Remote Sensing Agency, Hyderabad, India
21. Micro Irrigation Prospects and potential in India, The Institution of Engineers (India), A.P. State Center, Hyderabad, on 18-19 June 1999

22. National Seminar on Recent Advances in Geo-Technical Engineering, Organized by J.N.T.U. College of Engineering, Department of Civil Engineering, on August, 2002, Hyderabad.
23. International Conference on Hydrology and Watershed Management, Organized by J. N. T. University, Masab Tank, on December 2002, Hyderabad, India.
24. National Seminar on Inter-Linking of Rivers-Water Planning and Management, organized by VR&JC College of Engineering, Chowdaravaram, Guntur, A.P., India, on 20th -21th, January 2003.
25. National Conference on Developments in Engineering & Technology (DIET-2003), organized by The Institution of Engineers (India), Warangal Chapter, Warangal, A.P., India, on 23rd March 2003.
26. International Conference on Advanced Modeling Techniques for Sustainable Management of Water Resources (AMTSMW-2004), organized by National Institute of Technology, Warangal, on 28-30, January, 2004,
27. Conference on Water Resources Development and Management Practices (WARM-2004) organized by M.V.S.R. College of Engineering, Nadergul, Hyderabad, on 27th February, 2004.
28. International workshop on "Weather modification and cloud seeding technologies for rain water enhancement" organized by JNTU, Hyderabad and Rain Shadow Area Development, Govt. of Andhra Pradesh on 27th -28th January 2005.
29. National Conference on Advances in Water Engineering for Sustainable Development (NCAWESD-2005), during May 16th-17th, 2005 organized by Department of Civil Engineering, I.I.T., Madras.
30. "Workshop on Space technology applications" Organized by ISRS-Hyderabad Chapter, ERDAS, center for SIT, JNTU, Hyderabad during 18th – 19th May 2005.
31. A one day workshop on "Fluid dynamics and boundary layer application" on 10th October 2005, organized by department of Civil Engineering and Mechanical Engineering, JNTU College of Engineering, Hyderabad.
32. International Conference on Environment Management (ICEM-2005), during 28th-30th October, 2005, organized by Institute of Science and Technology, JNTU, Hyderabad.
33. "Geo-informatics for rural development – achieving synergy between technical and social systems" Organized by R & D Cell, JNTU, Hyderabad during 5th -8th June, 2006.
34. Two day national workshop on "Environmentally sustainable water resources management methodologies" Organized by IST, JNTU, Hyderabad during 3rd – 4th July 2006.
35. "Faculty development program on renewable energy resources" organized by Center for energy studies, JNTU, Hyderabad and Sri Nidhi Institute of Science and Technology, on 20th August 2006.
36. National conference on "Design and analysis of Aero/Mech systems" during 5th & 6th October, 2006, organized by Malla Reddy College of Engineering and Technology, Dhullapalli, Secunderabad.
37. Two day National workshop on "Watershed management and impact of environmental changes on water resources" Organized by department of civil engineering, JNTUCEH, JNTU, Hyderabad during 20th -21st September 2006.

38. International workshop on Weather Modification Technologies, Hyderabad, held during 18th – 20th January 2007, organized by Centre for Atmospheric science and weather modification technologies, JNTU, Hyderabad.
39. A 3-Day Awareness cum Training Programme on “Rainwater Harvesting and Water Conservation Methodologies” held during 29th -31st March 2007 at Centre for Water Resources, IST,JNTU, Hyderabad.
40. A 3-Day workshop on “Intellectual Property Rights (IPR)” during 20th -22nd June, 2007, organized by SNIST, IST-JNTU and Osmania university at SNIST campus.
41. A “XXVI National seminar on hydrology with a special colloquium on Rainfall versus Water Resources in North – East India “during 25th - 28th October 2007 at Shillong.
42. 2nd International conference on HYDROLOGY AND WATERSHED MANAGEMENT with a focal theme on Improving Water Productivity in the Agriculture, during 5th – 8th December 2007.
43. National Conference on Soft Computing Applications in Water Resources & Environmental Engineering (NC-SCAWREE – 2007) organized by Osmania College of Engineering, Hyderabad during 14th – 15th December 2007.
44. Participated in EU-India STI cooperation days held on 8-9 November, 2012 at NGRI, Hyderabad.
45. National Conference on water crisis management under changing climate 16-17, November,2012 organized by Guggly center for Biological research.
46. National Conference on Sustainable Water Resources Planning, Management and Impact of Climate Change held at BITS-Pilani, Hyderabad Campus during April 5-6, 2013, organized by Centre of Excellence in Water Management, Department of Civil Engineering.
47. National Conference on Sustainable Water Resources Management and Impact of Climate Change organized by Civil Engineering Group, BITS-PILANI, Hyderabad on 5-6, March,2010.
48. National workshop on ‘Application of remote sensing and GIS in water resources management’. March, 2010.
49. International conference on recent advances in design, development and operation of micro air vehicle, organized by JNTUH, Hyderabad scheduled during 10-12, December, 2012.
50. International conference on towards geo-enabled economy, scheduled during 22-24 Jan2013, organized by India Geospatial Forum at Hyderabad.
51. International Conference on Environmentally Sustainable Urban Ecosystems (ENSURE-2012), organized by Department of Civil Engineering, Indian Institute of Technology Guwahati, Guwahati, Assam, INDIA, February 24-26, 2012.
52. One Day workshop on Emerging Trends in Industrial Waste Management Technologies, held at Institute of Science and Technology, J N T University Hyderabad on 22nd March 2013
53. International conference on “Earth Science and Climate Change” on 28 – 30 July, 2014 by OMICS PUBLISHING GROUP in double tree by Hilton hotel san Francisco Airport, USA.

54. International Conference on “Environment and Energy” on 15 – 17 December,2014 by Institute of Science and Technology, Jawaharlal Nehru Technological University college of Engineering, Kukatpally, Hyderabad
55. International Conference HYDRO 2014 on “Hydraulics, Water Resources, coastal and Environmental Engineering ” was held on 18-20 December, 2014,organized by Department of civil Engineering, Maulana Azad National Institute of Technology, Bhopal India.

TECHNICAL VISITS ABROAD

1. USA
2. Thailand
3. Vietnam
4. Colombo

SOFTWARE EXPERTISE

- Remote Sensing: ERDAS and GEOMATICA
- GIS: Arc/ Info, Arc View. Arc.GIS, GRAM, MapInfo
- Modeling: Mike SHE, Modflow, Statistical: Sysstat, Minitab
- Experienced in modeling using high level languages FORTRAN and C

MEMBERSHIP OF PROFESSIONAL SOCIETIES

1. Life member of International Association of Hydrologic Society
2. Life member of Institution of Engineers (India)
3. Life member of Indian Society of Remote Sensing
4. Life member of Indian Water Resource Society
5. Life member of Journal of Hydrology
6. Life member of Indian Society of Technical Education
7. Life member of JNTU forum for Science & Society
8. Life member of Journal of Current Sciences
9. Life member of Association of Hydrologists of India.
10. Life member of Indian society for hydraulics
11. Member, BOS, Agricultural Engineering, JNT University Hyderabad.
12. Association of Global Groundwater Scientists (AGGS) Coimbatore, India

I solemnly declare that all the above particulars are true, complete and correct to the best of my knowledge.

[Dr. M.V.S. S. Giridhar]