

BIO-DATA



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Permanent Address : S/o Sri. M.V. Subbaiah,
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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., (I I T), Kharagpur.	Indian Institute of Tech., (I I T),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 1 st 2018 to till date	:	Professor. CWR, IST, JNTUH
March 2015 to February 28 2018	:	Associate Professor. CWR, IST, JNTUH
Mar, 2012 to March 2015	:	Assistant Professor, (AGP-8000), CWR, IST, JNTUH
2007 - 2012	:	Assistant Professor,(AGP-7000),JNTUH
2006 - 2007	:	Assistant Professor, (AGP-6000), JNTUH
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

2017 to 22-05-2018	:	Coordinator TEQIP – III
2014 to 2017	:	Coordinator TEQIP – II
Feb 2015 to Oct 2017	:	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.

SUBJECTS THOUGHT

- Advanced Fluid Mechanics
- Surface Water Hydrology
- GIS & Remote Sensing
- Geospatial Applications to Water Resources
- Water Resources Simulation and Modelling lab

ACHIEVEMENTS AND AWARDS

- I. Government of Telangana issued a GO Rt. No 427 dated 10th June 2016, through Municipal Administration and Urban development (C) department-included Dr. M.V.S.S. Giridhar, IST, JNTUH as a member in the “Committee of experts for suggestions and effective implementation of conservation and harvesting rainwater”.
- II. Hyderabad Metropolitan Water Supply and Sewerage board, (HMWSSB), Hyderabad, Government of Telangana constituted an expert committee on rainwater harvesting under JALAM-JEEVAM for 2018-19 with one of the member is Dr. M.V.S.S. Giridhar on 24th January, 2018 for proper suggestions and technical inputs on implementation of conservation and harvesting of the rainwater in Hyderabad.
- III. Government of Telangana issued an order as Expert committee for Permanent solutions to major water logging points through rainwater harvesting systems in Charminar, Khairatabad and Secunderbad zones of Hyderabad with one of the member is Dr. M.V.S.S. Giridhar, JNTUH
- IV. Government of Telangana issued an order as Expert committee for Permanent solutions to major water logging points through rainwater harvesting systems in L.B. Nagar zone of Hyderabad with one of the member is Dr. M.V.S.S. Giridhar, JNTUH
- V. Dr.M.V.S.S Giridhar was awarded with Water management forum award Under Criteria Innovative protection of ground water augmentation- Rain water harvesting/ artificial recharge in urban and rural areas honoured by Water management forum, IEI, Ahmadabad, GOI.

RESEARCH PROJECTS

Sl. No	Status of the research project	No. of projects
1	Completed	10
2	Ongoing	04
3	Submitted	04
Total		18

Ongoing research projects

S. No	Project Title	Funding agency	Duration	Grant Amount in lakhs	Years
1	Technical report on augmentation of groundwater through rainwater/surface runoff harvesting scheme in estate & factory area at Ordnance Factory Medak	Ordnance Factory	1 Year	11.75	2017-2018
2	Demonstration and Education of best practices in Rainwater Conservation in Fluoride affected areas.	Eco-Wash	2 Year	6.65	2017-2019
3	Spatiotemporal effects of Urbanization on Surface Water bodies and its impact on Soil and Vegetation Ecosystem	Earth Watch International NGO, International Funding	2 Year	39.9	2018-2020
4	Assessment Of Ground Water Quality With The Effect of Implementation Of Rainwater Harvesting Structures In The Regions Fluoride Affected Areas	TEQIP III	2 Year	2.0	2018-2020
5	Water Quality Assessment in Lake using Spectro-radiometer	TEQIP III	2 Year	2.0	2019-2021

Completed research projects

S. No.	Project Title	Funding agency	Duration	Grant Amount in rupees	Years
1	Ultra micro level water shed management using Geomatics	AICTE, RPS, New Delhi	3 years	9.5 lakhs	2009-2011
2	Demonstrative rainwater harvesting structures in JNTUH campus – Phase –I	CGWB, MoWR, New Delhi	2 years	27.93 lakhs	2011-2013
3	Demonstrative rainwater harvesting structures in	CGWB, MoWR, New	2 years	12.00 lakhs	2012-14

	JNTUH campus – Phase –II	Delhi			
4	Development of Hybrid Power Generation Model using Rain water, Solar and Wind	Institute of Engineers (India), Kolkata	6 months	0.6 lakhs	2014
5	Rooftop rainwater harvesting, use and artificial recharge in urban scenario using Geomatics	AICTE, RPS, New Delhi	2 years	14.5 lakhs	2012-2014
6	Hyperspectral remote sensing based crop inventory	UGC, New Delhi	3 years	12 lakhs	2012-2016
7	Urban Lake water quality Monitoring-A people's participation approach	Earth Watch International NGO, International Funding	3 Years	7	2013-2016
8	Validation of hyper-spectral remote sensing based drought assessment through water balance and geomatic approach	AICTE, RPS, New Delhi	3 years	10.91	2014-2017
9	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	2017-2018
10	Drinking water Augmentation to SC communities in fluoride effected area of Nalgonda district through rain water Conservation	NRDMS, DST, New Delhi	2years	5.52	2016-2018

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	Shared tools for monitoring and prediction of Harmful Algal Blooms in inland waters in India	DST- BRICS Proposal	3 years	49 Lakhs
4	A Sustainable Approach for Drinking Water Supply in Fluoride Affected Regions in Nalgonda District in Rainwater Management.	WTI Call Water Energy Food Health Nexus - DST	3 Years	69.7 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	34	8	42
Conferences	36	75	111
Books/Proceedings	0	11	11
Total	70	94	164

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, December 2014, 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. Impact factor 3.8
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). Oct-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 “**Roof top 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.Impact Factor:3.605
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 2017 ISSN: 2319-300ximapct factor 5.007, pp:1-8.
33. G. Srieenivasa Rao , **Giridhar M.V.S.S**, Shyama Mohan, and P. Sowmya “ **Estimation Of SCS Curve Number For Kaddam Water Shed Using Remote Sensing And Gis**” International journal of creative research thoughts. Volume -5, issue- 3 September 2017, page 203-208.ISSN: 2320-2882 Impact factor: 5.97.
34. G. Srieenivasa Rao , **Giridhar M.V.S.S**, Shyama Mohan, and P. Sowmya “**SCS-CN Method And Geomatics Approach For Fully Distributed Run Off Modelling**” International journal of computational engineering research (IJCER). Volume -07, issue-09 September 2017, page 20-26.ISSN: 2250-3005 Impact factor: 1.145
35. **Giridhar M.V.S.S**, M. Ramya and Shyama Mohan“ Identifying Land use land cover changes using geo-spatial technologies and their influence on the Eco-system in west zone of Hyderabad” Journal of Emerging Technologies and Innovative Research (JETIR), Volume 6, Issue 5 August 2019, ISSN-2349-5162 DOI: JETIRCY06031.Pp:197-204.
36. P. Sowmya, M.V. S. S. Giridhar, M. Prabhakar “Study of Spectral Reflectance Pattern of Red Soils under varying Moisture Conditions”, International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 7 Issue XI, Nov 2019, ISSN: 2321-9653.

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 GK., 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 GK., 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 Vsiwanadh. 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.

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54. Veeramallu Satya Sahithi , **M V S S Giridhar** , G. Ravi Shankar , I V Murali Krishna., “**Investigating The Effect Of Size Of The Training Sample On Mlc, Svm, Ann And Sam Algorithms On Hyperion Data For Lulc Classification**” National Conference on Water Environment and Society 2017,(NCWES-2017) organized during 16th-18th march 2017 in centre for water resources, IST, JNTUH. pp 492.
55. Padmaja G, **Dr MVSS Giridhar** , Sreenivasa Rao G, Shiva Chandra,. “**An Assessment on Impact of Land Use Land Cover Changes on Urban Watershed Management – A Case Study of Hyderabad Region**” National Conference on Water Environment and Society 2017,(NCWES-2017) organized during 16th-18th march 2017 in centre for water resources, IST, JNTUH, pp 355.
56. Anirudh Ramaraju and **M.V.S.S Giridhar** “**Quality Assessment of Surface Water Bodies in and around GHMC**”, National Conference on Water Environment and Society 2017,(NCWES-2017) organized during 16th-18th march 2017 in centre for water resources, IST, JNTUH pp 322.
57. P.Sowmya and **M.V.S.S. Giridhar**. “**Extemporizing Spectral Signatures Using Spectroradiometer For Different Species Of Family Graminaceae**” National Conference on Water Environment and Society 2017,(NCWES-2017) organized during 16th-18th march 2017 in centre for water resources, IST, JNTUH, pp 376.
58. P. Soumya Kiran, A.S.Chandra Bose, **M.V.S.S.Giridhar**, “**Identification Of Suitable Method For Estimation Of Reference Evapotranspiration For Paleru Sub Basin Of River Krishna**”, National Conference on Water Environment and Society 2017,(NCWES-2017) organized during 16th-18th march 2017 in centre for water resources, IST, JNTUH, pp 56.
59. G.Puneetha, V.Sesha Srinivas and **M.V.S.S.Giridhar**, “**Treatment Of Urban Sewage Water Using Phytoremediation**”, National Conference on Water Environment and Society 2017,(NCWES-2017) organized during 16th-18th march 2017 in centre for water resources, IST, JNTUH, pp 333
60. S. Kalavathy, **M.V.S.S. Giridhar** and G K Viswanadh, “**A Jar Test Study On The Use Of Alum And Ferric Chloride For Turbidity Removal**” National Conference on Water Environment and Society 2017,(NCWES-2017) organized during 16th-18th march 2017 in centre for water resources, IST, JNTUH, pp 339.
61. G. Sreenivasa Rao, **M.V.S.S. Giridhar** and Shyama Mohan, “**Rainfall analysis with reference to Spatial and Temporal in Kaddam Watershed Using Geomatics**”, National Conference on Water Environment and Society 2017,(NCWES-2017) organized during 16th-18th march 2017 in centre for water resources, IST, JNTUH, pp 540.
62. Rathod Ravinder, **Dr.M.V.S.S.Giridhar** and P.Sowmya, “**Spectral Response Of Cluster Beans Crop**”, National Conference on Water Environment and Society

- 2017,(NCWES-2017) organized during 16th-18th march 2017 in centre for water resources, IST, JNTUH, pp 383.
63. S. Kalavathy and **M.V.S.S. Giridhar** “**Effective Use Of Chemical Coagulants For Reducing Total Organic Carbon**”, National Conference on Water Environment and Society 2017,(NCWES-2017) organized during 16th-18th march 2017 in centre for water resources, IST, JNTUH pp 388.
 64. Rathod Ravinder, **Dr.M.V.S.S.Giridhar** and P.Sowmya, “**Spectral Reflectance From The Tomato Crop Canopy Under Controlled Condition By Using Spectroradiometer**” National Conference on Water Environment and Society 2017,(NCWES-2017) organized during 16th-18th march 2017 in centre for water resources, IST, JNTUH, pp 392.
 65. **M.V.S.S.Giridhar**, “**Rain water harvesting, use and artificial recharge in urban Scenario**”, Seminar On Sustainable Water Management, on the occasion of 215th Birthday Celebrations Of General Sir Arthur Thomas Cotton, organized by The Institution of Engineers (IEI), 15th May 2017 Hyderabad, pp 14-22.
 66. M.Anil Kumar and **M.V.S.S. Giridhar**, “**Computation of Runoff By Scs - Cn method Using Remote Sensing And GIS**” National Conference on Sustainable water and Environmental Management 2017, (SWEM-2017) organized during 21st to 23rd December 2017 in centre for water resources, IST, JNTUH, pp 359 - 367.
 67. P.B.Rakhee Sheel and **M.V.S.S. Giridhar**, “**Mapping of Permanent Snow Cover Area Using Satellite Data In Sutlej Basin**” National Conference on Sustainable water and Environmental Management 2017, (SWEM-2017) organized during 21st to 23rd December 2017 in centre for water resources, IST, JNTUH, pp 392-397.
 68. Dhondi Sindhu and **M.V.S.S.Giridhar**, “**Estimation of Reference Evapotranspiration Using Cropwat**” National Conference on Sustainable water and Environmental Management 2017, (SWEM-2017) organized during 21st to 23rd December 2017 in centre for water resources, IST, JNTUH, pp 398-406.
 69. G. Padmaja, **M.V.S.S. Giridhar**, V. Shiva Chandra, G. Sreenivasa Rao and R. Sandhya Rani, “**Sustainable Urbanization Using Remote Sensing And GIS-An Overview**” National Conference on Sustainable water and Environmental Management 2017, (SWEM-2017) organized during 21st to 23rd December 2017 in centre for water resources, IST, JNTUH, pp 422-428.
 70. P. Sowmya, **M.V.S.S. Giridhar** and M. Prabhakar “**Assessment of Spectral Signatures For Different Varieties of Colacasia Species Using Continuum Removal Method**” National Conference on Sustainable water and Environmental Management 2017, (SWEM-2017) organized during 21st to 23rd December 2017 in centre for water resources, IST, JNTUH, pp 439-444.
 71. Veeramallu Satya Sahithi, **M.V.S.S. Giridhar** and I Murali Krishna “**A Systematic Review on Hyper spectral Data Processing And Classification Methods**” National Conference on Sustainable water and Environmental Management 2017, (SWEM-2017) organized during 21st to 23rd December 2017 in centre for water resources, IST, JNTUH, pp 445-459.

72. G. Sreenivasa Rao, **M.V.S.S. Giridhar** and Shyama Mohan, **“Computation Of Runoff By Scs Cn Method Using Spatial Modeling In Erdas Imagine”** National Conference on Sustainable water and Environmental Management 2017, (SWEM-2017) organized during 21st to 23rd December 2017 in centre for water resources, IST, JNTUH, pp 532-541.
73. S. Venkat Charyulu, G.K.Viswanadh and M.V.S.S. Giridhar **“Effective Rainwater Harvesting By Gis Analysis In Griet Campus, Bachupally”** National Conference on Sustainable water and Environmental Management 2017, (SWEM-2017) organized during 21st to 23rd December 2017 in centre for water resources, IST, JNTUH, pp 567-578.
74. Veeramallu Satya Sahithi, MVSS Giridhar and I V Murali Krishna **“Advanced Spectral Classification Methods for Hyperspectral Data - A Concise Review”** National Conference on Water Environment and Society 2018,(NCWES-2018) organized during 04th-06th June 2018 in centre for water resources, IST, JNTUH, pp 420.
75. S. Venkat Charyulu, G.K.Viswanadh and M.V.S.S Giridhar **“Watershed Analysis A Case Study of Nizampet Area and Proposed Rain Water Structure”** National Conference on Water Environment and Society 2018,(NCWES-2018) organized during 04th-06th June 2018 in centre for water resources, IST, JNTUH, pp 524.
76. L. Mani Teja and **M.V.S.S Giridhar**, **“Morphometric Analysis of Kinnerasani Basin, India”** National Conference on Water Environment and Society 2019,(NCWES-2019) organized during 05-07 June 2019 in centre for water resources, IST, JNTUH, ISBN : 978-93-88305-98-3, pp-189
77. M. Ramya, M.V.S.S Giridhar and Shyama Mohan, **“Land Use Land Cover Analysis of West Zone of Hyderabad Using Remote Sensing and GIS Technologies ”** National Conference on Water Environment and Society 2019,(NCWES-2019) organized during 05-07 June 2019 in centre for water resources, IST, JNTUH, ISBN : 978-93-88305-98-3, pp-297
78. D. Ajay Kumar, M.V.S.S Giridhar and Shyama Mohan, **“Simulation of Water Distribution System by using GISpipe Software”** National Conference on Water Environment and Society 2019,(NCWES-2019) organized during 05-07 June 2019 in centre for water resources, IST, JNTUH, ISBN : 978-93-88305-98-3, pp-305
79. D. Seetarama Murty, M. Ramya, M.V.S.S Giridhar and Shyama Mohan, **“WEBGIS Based Land Information System: Case Study of Cheedikada Mandal, Visakhapatnam District Andhra Pradesh”** National Conference on Water Environment and Society 2019,(NCWES-2019) organized during 05-07 June 2019 in centre for water resources, IST, JNTUH, ISBN : 978-93-88305-98-3, pp-315
80. VVS Ramakrishna, M. Ramya, M.V.S.S Giridhar and Shyama Mohan, **“Hydrological Viability Analysis for Effective Utilization of Palli Tank for Irrigation in Anandapuram Mandal, Visakhapatnam District”** National Conference on Water Environment and Society 2019,(NCWES-2019) organized during 05-07 June 2019 in centre for water resources, IST, JNTUH, ISBN : 978-93-88305-98-3, pp-325
81. Padmaja G, Giridhar MVSS , Shiva Chandra V and Akhil G, **“Significance of Public Participation through Crowdsourcing in Planning and Development for**

- a Better Infrastructure”** National Conference on Water Environment and Society 2019,(NCWES-2019) organized during 05-07 June 2019 in centre for water resources, IST, JNTUH, ISBN : 978-93-88305-98-3, pp-339
82. Monica. S and Giridhar. M.V.S.S, **“GIS Based Morphometry Analysis: A Case Study of Vaippar River, Thoothukudi, INDIA”** National Conference on Water Environment and Society 2019,(NCWES-2019) organized during 05-07 June 2019 in centre for water resources, IST, JNTUH, ISBN : 978-93-88305-98-3, pp-367
83. P. Rishitha and M.V.S.S. Giridhar, **“Watershed and Stream Network Delineation using QGIS in Noyyal River Basin, Tamil Nadu, India”** National Conference on Water Environment and Society 2019,(NCWES-2019) organized during 05-07 June 2019 in centre for water resources, IST, JNTUH, ISBN : 978-93-88305-98-3, pp-373
84. Swetha. S and M.V.S.S.Giridhar, **“A Morphometric Analysis of Vellar River Basin of Tamil Nadu using Geospatial Technology”** National Conference on Water Environment and Society 2019,(NCWES-2019) organized during 05-07 June 2019 in centre for water resources, IST, JNTUH, ISBN : 978-93-88305-98-3, pp-379
85. Hemalatha I and M.V.S.S.Giridhar, **“Morphometric Analysis of Kodayar River Basin using Geospatial Techniques”** National Conference on Water Environment and Society 2019,(NCWES-2019) organized during 05-07 June 2019 in centre for water resources, IST, JNTUH, ISBN : 978-93-88305-98-3, pp-386
86. G. Sreenivasa Rao, B. Sreeja Reddy, P. Srividya and M.V.S.S Giridhar, **“Water Quality Analysis using Ecoclean 2300”** National Conference on Water Environment and Society 2019,(NCWES-2019) organized during 05-07 June 2019 in centre for water resources, IST, JNTUH, ISBN : 978-93-88305-98-3, pp-431
87. S. Venkat Charyulu, G.K. Viswanadh and M.V.S.S Giridhar, **“Impact of Ground Water Due to the Solid and Liquid Dump and Evacuating Physicochemical Parameters in the Leachate”** National Conference on Water Environment and Society 2019,(NCWES-2019) organized during 05-07 June 2019 in centre for water resources, IST, JNTUH, ISBN : 978-93-88305-98-3, pp-410

BOOKS / PROCEEDINGS EDITED

1. Proceedings of 2nd International conference on HYDROLOGY AND WATERSHED MANAGEMENT with a focal theme on Improving Water Productivity in the Agriculture, December 2006. ISBN: 81-7800-138-1 (Two volumes) **Authors: B. Venkateswra Rao, G. Jagmohan Das, C. Sarala and M.V.S.S. Giridhar**
2. Proceedings of WMEC'07 National Conference on Watershed Management and Impact of Environmental Changes on Water Resources, February, 2007. ISBN: 81-7800-143-8 **Authors: G.K.Viswanadh and M.V.S.S. Giridhar**
3. Proceedings of 3rd International conference on HYDROLOGY AND WATERSHED MANAGEMENT with a focal theme on Improving Water Productivity in the

- Agriculture, February, 2010. ISBN: 978-81-7800-224-8 (Two volumes) **Authors: C. Sarala B. Venkateswra Rao, M.V.S.S. Giridhar and V.Varalakshmi**
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.
 11. Proceedings of 5th National conference on Water, Environment and Society organized by CWR, IST, JNTUH on 04th – 06th June 2018 Published by BS Publications, ISBN: 978-93-87593-72-5 **Authors: M.V.S.S. Giridhar**
 12. Proceedings of 6th National conference on Water, Environment and Society organized by CWR, IST, JNTUH on 05th – 07th June 2019 Published by BS Publications, ISBN: 978-93-87593-72-5 **Authors: M.V.S.S. Giridhar**

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, Development and Operation of Micro Air Vehicles (ICRAMAV 2012)	10 th - 12 th December, 2012	Conference
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
22	Applications of Geomatics for Disaster Management (AGDM-2017)	13 th to 15 th November 2017	Training Programme
23	National Conference on Sustainable Water and Environmental Management	21 st to 23 rd December 2017	Conference
24	Awareness Programme on Rainwater Harvesting for Faculty and Students of private Engineering Colleges	22 nd March 2018	Work shop
25	5 th National Conference on Water, Environment and Society (NCWES-2018)	04 th – 06 th June 2018	Conference
26	10 Day Training on Remote Sensing and GIS to HMWSSB		Training Programme
27	5th International Conference of Hydrology and Watershed Management with a Focal Theme on “Urban Water Management for Sustainable Development” Jawaharlal Nehru Technological University Hyderabad	12 th – 15 th February ,2019	Conference
28	6 ^h National Conference on Water, Environment and Society (NCWES-2019)	05 – 07 June 2019	Conference
29	One day Workshop on Rainwater Harvesting Structures for Residential Welfare Association	4 th July 2019	Workshop

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.
56. A CEP course on "Deep learning for remote sensing image analysis" held on 31-Oct-2019 to 4-Nov-2019, organized by Indian Institute of Bombay (IIT Bombay), Maharashtra.
57. Online Course on “Exploring Sustainability in the Indian Context”, conducted by Azim Premji University from March 6 – May 8, 2020.
58. Webinar session on 4th May 2020 at 11 AM on Applications of GIS in Infrastructure Planning and Management , organized by NITTTR Chennai.
59. 3 Day Online STC - Tools & Software for Remote Teaching -Learning , held from 16th - 18th May 2020, organized by UGC-HRDC JNTUH

GUEST LECTURERS DELIVERED:

1. **“Geo-Spatial Applications for planning of RWS Schemes”** Training Programme on Feasibility Studies, Engineering Survey and Design and Planning and Design of MVS during 25 – 30 June, 2012 at ESCI Campus, Hyderabad on 26th June, 2012.
2. **“Spatial Decision support System for groundwater quality management at village level”** Training Programme on Feasibility Studies, Engineering Survey and Design and Planning and Design of MVS during 25 – 30 June, 2012 at ESCI Campus, Hyderabad on 28th August, 2012.
3. Delivered a expert lecture on **“Geo-Spatial Applications for water resources”** in a two day workshop on recent advances in civil engineering during 31-08-2012 to 01-09-2012 at CMR Institute of Technology, Kandlakoya(V), Hyderabad for the teaching faculty of engineering colleges to improve their knowledge and teaching skills on 31-08-2012 from 2.00 to 5.15 pm.
4. Delivered lecture on **“RS&GIS applications for RWS&S Schemes”** in a training Programme on **RWS&S Schemes: Planning and Design of Distribution System and Software Applications** including EPANET during 10 – 15 September, 2012 at ESCI Campus, Hyderabad on 11th September, 2012.
5. Delivered lecture on **“Water quality assessment using remote sensing techniques”** in the training Programme on water quality monitoring, surveillance and assessment of rural water supply and sanitation schemes during 16 – 19 October, 2012 at ESCI Campus, Hyderabad on 19th October, 2012.

6. Delivered lecture on **“RS and GIS applications for RWS schemes”** in a training Programme on planning, investigation, design and implementation of rural water supply multi village schemes including use of total station and IT applications during 19 – 30 November, 2012 at ESCI Campus, Hyderabad on 20th November,2012.
7. Delivered lecture on **“RS and GIS applications for RWS schemes”** in a training Programme on planning, investigation, design and implementation of rural water supply multi village schemes including use of total station and IT applications during 28 – January – 08 Feb, 2013 at ESCI Campus, Hyderabad on 01st Feb,2013.
8. Delivered lecture on **“Groundwater quality assessment using geospatial technologies”** in a UGC sponsored three week interaction programme on GIS based Engineering and Science Applications scheduled from 25-03-2013 to 18-04-2013 at UGC-ASC JNTUH on 10-04-2013.
9. Delivered lecture on **“Data Editing & GIS data Model”** in a UGC sponsored three week refresher course on GIS based Engineering Applications scheduled from 25-02-2013 to 16-03-2013 at UGC-ASC JNTUH on 02-03-2013.
10. Delivered lecture on **“Geospatial Applications for Evapotranspiration”** in a UGC sponsored three week refresher course on Satellite data applications in weather and climate change scheduled from 18-03-2013 to 10-04-2013 at UGC-ASC JNTUH on 20-03-2013.
11. Delivered lecture on **“Geospatial applications for groundwater management”** in a UGC sponsored three week refresher course on GIS based Engineering Applications scheduled from 25-02-2013 to 16-03-2013 at UGC-ASC JNTUH on 26-03-2013.
12. Part of brain storming session on climatic change and urban flooding scheduled on 6-04-2013 along with Prof. Mujumdar, IISC Bangalore, Prof. Srinivasan, IIT Chennai, Prof KP Sudheer, IIT, Chennai and Dr.Vijaya Kumar, NIH, Kakinada on the dais.
13. Delivered lecture on **“Data Editing & GIS data Model”** in a UGC sponsored three week interaction programme on GIS based Engineering and Science Applications scheduled from 25-03-2013 to 18-04-2013 at UGC-ASC JNTUH on 26-03-2013.
14. Delivered lecture on **“Rainfall-Runoff Modelling using GIS”** in a UGC sponsored three week interaction programme on GIS based Engineering and Science Applications scheduled from 25-03-2013 to 18-04-2013 at UGC-ASC JNTUH on 12-04-2013.
15. Delivered lecture on **“Groundwater quality assessment using geospatial technologies”** in a UGC sponsored three week interaction programme on GIS based Engineering and Science Applications scheduled from 25-03-2013 to 18-04-2013 at UGC-ASC JNTUH on 10-04-2013.
16. Delivered lecture on **“Design and selection of pumps in water supply”** in a MoDWS, GOI, New Delhi sponsored interaction programme on Establishment of Operation and maintenance of Rural Water Supply & Sanitation schemes scheduled from 07-10-2013 to 11-10-2013 ESCI, Hyderabad on 09-10-2013.
17. Delivered lecture on **“types of pumps-design and selection criteria for water supply pumps including performance curves”** in a MoDWS, GOI, New Delhi sponsored interaction programme on Establishment of Operation and maintenance of Rural Water Supply & Sanitation schemes scheduled from 10-09-2013 to 12-09-2013 ESCI, Hyderabad on 10-09-2013.
18. Delivered lecture on **“RS &GIS Application for RWS&S Schemes case studies”** in a MoDWS, GOI,New Delhi sponsored interaction programme on Establishment of Operation

and maintenance of Rural Water Supply & Sanitation schemes scheduled from 29-07-2013 to 03-08-2013 ESCI, Hyderabad on 01-08-2013.

19. Delivered lecture on **“selection and design of pumps”** in a MoDWS, GOI, New Delhi sponsored interaction programme on Establishment of Operation and maintenance of Rural Water Supply & Sanitation schemes scheduled from 10-09-2013 to 12-09-2013 ESCI, Hyderabad on 10-09-2013.
20. Delivered lecture on **“selection and design of pumps”** in a MoDWS, GOI, New Delhi sponsored interaction programme on Establishment of Operation and maintenance of Rural Water Supply & Sanitation schemes scheduled from 23-10-2013 to 25-10-2013 ESCI, Hyderabad on 23-10-2013.
21. Delivered lecture on **“selection and design of pumps”** in a MoDWS, GOI, New Delhi sponsored interaction programme on Establishment of Operation and maintenance of Rural Water Supply & Sanitation schemes scheduled from 10-12-2013 to 12-12-2013 ESCI, Hyderabad on 11-12-2013.
22. Delivered lecture on **“selection and design of pumps”** in a MoDWS, GOI, New Delhi sponsored interaction programme on Establishment of Operation and maintenance of Rural Water Supply & Sanitation schemes scheduled from 25-09-2013 to 27-09-2013 ESCI, Hyderabad on 25-09-2013.
23. Delivered lecture on **“selection and design of pumps”** in a MoDWS, GOI, New Delhi sponsored interaction programme on Establishment of Operation and maintenance of Rural Water Supply & Sanitation schemes scheduled from 10-12-2013 to 12-12-2013 ESCI, Hyderabad on 11-12-2013.
24. Delivered lecture on **“selection and design of pumps”** in a MoDWS, GOI, New Delhi sponsored interaction programme on Establishment of Operation and maintenance of Rural Water Supply & Sanitation schemes scheduled from 10-09-2013 to 12-09-2013 ESCI, Hyderabad on 10-09-2013.
25. Delivered lecture on **“selection and design of pumps”** in a MoDWS, GOI, New Delhi sponsored interaction programme on Establishment of Operation and maintenance of Rural Water Supply & Sanitation schemes scheduled from 22-01-2014 to 24-01-2014 ESCI, Hyderabad on 22-01-2014.
26. Delivered lecture on **“selection and design of pumps”** in a MoDWS, GOI, New Delhi sponsored interaction programme on Establishment of Operation and maintenance of Rural Water Supply & Sanitation schemes scheduled from 12-02-2014 to 14-02-2014 ESCI, Hyderabad on 12-02-2014.
27. Delivered lecture on **“water assurance & safety plans”** in a MoDWS, GOI, New Delhi sponsored interaction programme on Establishment of Operation and maintenance of Rural Water Supply & Sanitation schemes scheduled from 15-07-2013 to 19-07-2013 ESCI, Hyderabad on 17-07-2013.
28. Delivered lecture on **“types of pumps-design and selection criteria for water supply pumps including performance curves”** in a MoDWS, GOI, New Delhi sponsored interaction programme on Establishment of Operation and maintenance of Rural Water Supply & Sanitation schemes scheduled from 12-08-2013 to 14-08-2013 ESCI, Hyderabad on 12-08-2013.
29. Delivered lecture on **“types of pumps-design and selection and Maintenance”** in a APRWSSP, GoAP, Hyderabad sponsored interaction programme on Design selection installation and operation & maintenance of pumping equipment including pumping main,

pipes and valves scheduled from 19-12-2013 to 22-12-2013 ESCI, Hyderabad on 19-12-2013.

30. Delivered lecture on **“water security assurance-water conservation and rain water harvesting structures including design and construction aspects”** in a PSU, APRWSSP,GOAP ,Hyderabad sponsored interaction programme on Water conservation and rainwater harvesting structures including design and construction aspects scheduled from 02-08-2013 to 06-08-2013 ESCI, Hyderabad on 04-08-2013.
31. Delivered lecture on **“selection design and o&m of pumps”**PSU, APRWSSP, Govt.of A.P sponsored interaction programme on Establishment of Operation and management systems for SVS&MVS scheduled from 20-01-2014 to 24-01-2013 ESCI, Hyderabad on 23-01-2014.
32. Delivered lecture on **“types of pumps/selection of pumps and o&m of pumps”** training programme for the Newly recruited RWS&S ENGINEERS,GOVT.OF A.P scheduled from 21-10-2013 to 17-11-2013 ESCI, Hyderabad on 04-11-2013.
33. Delivered lecture on **“Surge Analysis”** training programme for the Newly recruited RWS&S ENGINEERS,GOVT.OF A.P scheduled from 06-11-2013 to 03-12-2013 ESCI, Hyderabad on 01-12-2013.
34. Delivered lecture on **“Types of pumps/selection of pumps and o&m of pumps”** training programme for the Newly recruited RWS&S ENGINEERS,GOVT.OF A.P scheduled from 26-11-2013 to 23-12-2013 ESCI, Hyderabad on 29-11-2013.
35. Delivered lecture on **“case study in RWS using RS,GIS and GPS applications”** training programme for the Newly recruited RWS&S ENGINEERS,GOVT.OF A.P scheduled from 26-11-2013 to 23-12-2013 ESCI, Hyderabad on 07-12-2013.
36. Delivered lecture on **“Field visit to water harvesting structures-jntu Hyderabad”** training programme for the Newly recruited RWS&S ENGINEERS,GOVT.OF A.P scheduled from 26-11-2013 to 23-12-2013 ESCI, Hyderabad on 22-12-2013.
37. Delivered lecture on **“types of pumps/selection of pumps and o&m of pumps”** training programme for the Newly recruited RWS&S ENGINEERS,GOVT.OF A.P scheduled from 09-12-2013 to 05-01-2014 ESCI, Hyderabad on 18-12-2013.
38. Delivered lecture on **“surge analysis”** training programme for the Newly recruited RWS&S ENGINEERS,GOVT.OF A.P scheduled from 09-12-2013 to 05-01-2014 ESCI, Hyderabad on 29-12-2013.
39. Delivered lecture on **“Field visit to water harvesting structures-jntu Hyderabad”** training programme for the newly recruited RWS&S ENGINEERS, GOVT.OF A.P scheduled from 09-12-2013 to 05-01-2014 ESCI, Hyderabad on 30-12-2013.
40. Delivered lecture on **“types of pumps/selection of pumps and o&m of pumps”** training programme for the newly recruited RWS&S ENGINEERS, GOVT.OF A.P scheduled from 16-12-2013 to 12-01-2014 ESCI, Hyderabad on 20-12-2013.
41. Delivered lecture on **“Field visit to water harvesting structure-jntu Hyderabad”** training programme for the newly recruited RWS&S ENGINEERS, GOVT.OF A.P scheduled from 09-12-2013 to 05-01-2014 ESCI, Hyderabad on 31-12-2013.
42. Delivered lecture on **“Field visit to water harvesting structures-jntu Hyderabad”** training programme for the newly recruited RWS&S ENGINEERS, GOVT.OF A.P scheduled from 09-12-2013 to 05-01-2014 ESCI, Hyderabad on 05-01-2014.
43. Delivered lecture on **“RS&GIS Application for RWS schemes”** in a MoDWS, GOI, New Delhi sponsored training programme on planning, investigation, design and implementation

of rural water supply multi-village schemes including use of total station and IT Applications scheduled from 16-09-2013 to 27-09-2013 ESCI, Hyderabad on 17-09-2013.

44. Delivered lecture on **“Design and selection of pumps in water supply”** in a MoDWS,GOI,New Delhi sponsored training programme on Establishment of operation and maintenance of rural water supply & sanitation schemes scheduled from 07-10-2013 to 11-09-2013 ESCI,Hyderabad on 09-10-2013.
45. Delivered lecture on **“Design and selection of pumps in water supply”** in a MoDWS,GOI,New Delhi sponsored training programme on Establishment of operation and maintenance of rural water supply & sanitation schemes scheduled from 07-10-2013 to 11-09-2013 ESCI,Hyderabad on 09-10-2013.
46. Delivered lecture on **“Types of pumping systems in water supply-design selection and maintenance”** in a MoDWS,GOI,New Delhi sponsored training programme on Establishment of operation and maintenance of rural water supply & sanitation schemes scheduled from 19-12-2013 to 22-12-2013 ESCI, Hyderabad on 20-12-2013.
47. Delivered lecture on **“Rain water harvesting”** in UGC Sponsored four week “37th orientation course scheduled from 20-01-2014 to 15-02-2014 at UGC-Academic Staff College, JNTUH, Kukatpally, Hyderabad on 14-02-2014.
48. Delivered a guest lecturer at VNR VJIET, Dept. of Civil Engineering Hyderabad on 19th March, 2015 on “Efficient Use of Available Water Resources for More Crop per Drop”.
49. Delivered a Lecture at Engineering Staff College of India (ESCI), Gachi Bowli, Hyderabad on **“Hydrology and Irrigation Aspects for AEEs of Water Resources Dept., A.P”** on 17th November, 2015.
50. Delivered a Lecture at Engineering Staff College of India (ESCI), Gachi Bowli, Hyderabad on **“Hydrology and Irrigation Aspects for AEEs of Water Resources Dept., A.P”** on 26th November, 2015.
51. Delivered a Lecture at Engineering Staff College of India (ESCI), Gachi Bowli, Hyderabad on **“Flood Forecasting – CWC Procedures”** on 2nd December, 2015.
52. Delivered a Lecture at Engineering Staff College of India (ESCI), Gachi Bowli, Hyderabad on **“Flood Forecasting – CWC Procedures”** on 16th December, 2015.
53. Delivered a guest Lecture at Sri Venkateswara University, Tirupathi, A.P on 19th December, 2015 on **Rain Water Harvesting- Best Practices.**
54. Delivered a Lecture at Engineering Staff College of India (ESCI), Gachi Bowli, Hyderabad on **“Flood Forecasting – CWC Procedures”** on 28th December, 2015.
55. Delivered lecture on **“Field visit to Rainwater Harvesting Structures - JNTU, Hyderabad”** for President, Secretary & other members of the Hill county Properties Ltd, Nizampet, Hyderabad on 19-02-2016.
56. Delivered lecture on **“Water Conservation, Rain Water Harvesting”** for the trainees of **“Orientation Programme under AMRUT Capsule – 2 for Public Health Engineers** during 27-29 June, 2017 at ESCI campus, Hyderabad for Public Health Engineers of, Govt. of Andhra Pradesh on 27.06.2017 at 14:00-15:30 Hrs.
57. Delivered lecture on **“Water Audit”** for the trainees of **“Orientation Programme under AMRUT Capsule – 2 for Public Health Engineers** during 27-29 June, 2017 at ESCI campus, Hyderabad for Public Health Engineers of, Govt. of Andhra Pradesh on 27.06.2017 at 15:45- 17:15 Hrs.
58. Delivered lecture on **“Water Conservation, Rain Water Harvesting”** for the trainees of **“Orientation Programme under AMRUT Capsule – 2 for Public Health**

Engineers during 27-29 June, 2017 at ESCI campus, Hyderabad for Public Health Engineers of, Govt. of Andhra Pradesh on 22.06.2017 at 09.45 – 11.15 hrs.

59. Delivered lecture on **“Water Audit”** for the trainees of **“Orientation Programme under AMRUT Capsule – 2 for Public Health Engineers** during 27-29 June, 2017 at ESCI campus, Hyderabad for Public Health Engineers of, Govt. of Andhra Pradesh on 22.06.2017 at 11.30 – 13.00 hrs.
60. Delivered lecture on **“Water Quality Assessment”** at Engineering Staff College of India (ESCI), Hyderabad 3 Day Training Programme on **“Water Pollution Monitoring and Modeling using Software Applications – Theory and Hands-on Practice (in compliance with MoEF & CC Guidelines”** scheduled during 06 – 08 June, 2017 on 08.06.2017 at 09.45 – 11.15 hrs
61. Delivered a lecture on **“Water Conservation and Water Audit”** at Engineering Staff College of India (ESCI), Hyderabad 3 - day Individual Capacity Building Programme under CBUD Project of AMRUT–**Capsule 1 - Orientation Programme for the Public Health Engineers of ULBs of Government of Puducherry** during 23 - 25 May, 2017 at ESCI campus, Hyderabad. on 23.05.2017 at 14.30 – 15.45 Hrs
62. Delivered a talk on **“ Rain Water harvesting in the Urban Scenario** during the seminar on **“ Sustainable Water Management”** on the occasion of General Sir Arthur Thomas Cotton scheduled to be held on 15th May, 2017.
63. **Dissemination of Rooftop Rainwater Harvesting Approach in Fluoride Affected Regions Of Nalgonda**, National Conference on Recent Advances in Science & Technology , during May 15-17, 2019 at Assam Science and Technology University, Guwahati.
64. **Rainwater Management Through Artificial Recharge for Sustainability of Fluoride Affected Region**, International Conference at Hyderabad on the topic **“Environmental Degradation: Key Challenge to Sustainable Development”** from 22nd to 24th November, 2019 at Visvesvaraya Bhavan, Khairatabad, Hyderabad.
65. **Study visit & discussion on rain water harvesting and outreach activities**, International training programme on **“Natural Resource Management for Sustainable Rural Livelihoods”** during 17th September 2019, Organized by Centre for Natural Resource Management, NIRD&PR, Rajedranagar, Hyderabad.
66. Session lecture in Symposium titled **“Water Conservation - Challenges and Solutions”** on 25th Sep 2019 at our Sri Nidhi Institute of Science and Technology Campus.
67. **Water Conservation Techniques (RWH)– Case Study of residential building**, 3 Day Integrated Capacity Building Programme Under MoHUA,GOI -Pradhan Mantri Awas Yojana-Housing for ALL (PMAY-HFA)-Capsule-2 for the Officials of ULBS of Govt. of Tamil Nadu, organized by Engineering Staff College of India (ESCI), Hyderabad on 11-10-2019.
68. **Rainwater Harvesting and Artificial Recharge in view of climate change**, Workshop on Climate Change and Urbanization: Building Resilience in the Urban Water Sector December 16-17, 2019 Organized by Dept. of Civil Engineering, College of Engineering (A), Osmania University, Hyderabad Sponsored by Scheme for Promotion of Academic and Research Collaboration (SPARC)
69. **Need for Rainwater harvesting in view of climate change in urban scenario**, Guest Lecture at Gokaraju Rangaraju Institute of engineering and Technology on 7th January 2020.

70. **An approach towards SDG- 6 through Rainwater Harvesting Systems**, Third Endowment Lecture on Sunday the 26th January, 2020 at 1000 hrs at Visvesvaraya Bhavan, Khairatabad organized by Institute of Engineers.
71. **Climate change and need of Rain Water Harvesting**, Continuing Professional Development Programme on “Cities and Climate Change” from 28 – 30 January, 2020 at ESCI campus, Hyderabad on 29.01.2020.
72. **Case Study: Water audit on water supply for the cities/urban areas**, Course on “Water Budgeting and Auditing” from 3rd February 2020 to 29th February, 2020 organized by EPTRI - ENVIS Hub and Climate Change Division.

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 fellow 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
13. The Indian National Science Congress Association, Kolkata (M.No-L35026)

STUDENTS GUIDED:

Sl.No	Name	Title of thesis	Year of completion
1	P.SUNEEL KUMAR	Application of geomatics for estimation of daily actual evapotraspiration	2008
2	B.V.NAGESWAR A RAO	Spatial decision support system for ground water quality management at village level using geomatics	2008
3	B.SRINIVASA RAO	A geomatic approach to drought analysis	2008
4	A.SHRAVAN KUMAR	Multi electrode resistivity survey for characterization of hard rocks in kudliar watershed, medak district, ap	2008
5	V.NARASIAH	Resistivity Well Logging Survey To Delineate The Sub-Surface Lithology In Hard Rock Terrain	2008
6	R.SHARMILA	Study On Enhancement Of Hybrid Energy Systems Using Solar Pv And Micro Hybrid Power Systems	2008
7	JATOTHU JAGAN	Assessment of surface and ground water quality for drinking and irrigation use	2009
8	V.T.VARUNA MITHRA	Development of hybrid power generation model using solar and wind	2009
9	SAJAN KUMAR SIDDAMSHETTY	Studies on potential applications of bioenergy in india	2010
10	CHAITANYA KUMAR RAMINANE	Surface water bodies assessment before and after urbanization in and around Ghmc	2010
11	Anirudh. Ramaraju	Urban lake water quality assessment and monitiong- a geospatial approach	2010
12	Divya Chowdary. K	Performance analysis of rain water harvesting scheme in jntu hyderabad.	2010

13	Anil Kumar	Impact Of Coal Mining On The Ground Water Quality In Ramgundam Area	2011
14	RATHOD Ravinder	Development of spectral library for horticultural crops and soils using spectroradiometer.	2011
15	S. KALAVATHY	A comparative study on the use of alum and ferrous chloride for turbidity and nutrient removal in urban lakes.	2011
16	P.BALA SUBHRAHMANY AM	Estimation of reference evapotranspiration and pan coefficient For different stations in A.P.	2011
17	PHANI KUMAR VRINKALA	A dissertation on water distribution network analysis using EPANET	2011
18	SRAVANI	To estimate the sustainable evapotranspiration equation	2011
19	B.SRAVANI	To Estimate The Suitable Evapotranspiration Equation For Dowlaiswaram	2012
20	M.MALLIKARJUN	Change Detection Study Of Pulicat Lagoon Using Rs&Gis	2012
21	G.NARESH	Influence Of Artificial Recharge Of Rainwater On Ground Water	2012
22	K.SHIRISHA	Water Quality Maps For A Surface Water Body Using Geomatics	2012
23	K.NARESH	Impact Of Artificial Recharge Of Roof Top Rainwater On Groundwater	2012
24	K.C.ACHARYULU SRINIVASULA	Delineation Of Watershed Using Geomatics	2012
25	R.SREENIVASA REDDY	A Critical Analysis Of Energy Savings In Urban Local Bodies - Pre And Post Apusp Implementation Scenarios - A Case Study In Nalgonda And Wanaparthy Municipalities	2012
26	K.RANI	Forecasting Ground Water Level Using Artificial Neural Networks For Maheswaram Water Shed	2012
27	BABY PARIMAL	Generation of power from rice husk waste	2012
28	DEVASISH GHOSH	Generation of power from municipal solid waste	2012
29	KANAKA PRASAD	Optimization of Hazardous waste utilization in cement industry through co processing	2012
30	D.SHRAVANI	WEB 2.0 mapping mashup application tool - kit for jntu hyderabad location in andhra pradesh using google maps api version 2 & microsoft virtual earth	2012

31	P.VISHNU VARDHAN	Sediment transport modeling using artificial neural networks and sediment rating curves.	2013
32	P.RAJINI	GIS Based Flood Vulnerability Studies - Swarnamukhi River - A Case Study	2013
33	K.PHANINDRA	Temporal Shoreline Change Detection Along Gujurat Coast,West Coast Of India - Remote Sensing And Gis Approach	2013
34	V.RAGHU RAMA REDDY	Soil Quality Study For Identification Of Suitable Petro-Chemical Industry Site Using Remote Sensing And Gis :A Model Study	2013
35	V.SAI RAM GOPAL	Temporal Shoreline Change Detection Along Orissa Coast,East Coast Of India- Remote Sensing And Gis Approach	2013
36	P.SARANYA,V.S. H.S.BRAHIMA,P.P .PAVAN KUMAR,D.SAI SUBASH	Semi-Distributed Rainfall - Runoff Modelling Using Remote Sensing And Gis	2013
37	N HARIKANTH	Web based runoff and peak flood estimation model	2013
38	MD.NAZIA FIRDOUSE	Web-gis based college information system (web-cis)	2013
39	M.INDIRA PRIYADARSINI	Gis-based ground water tool - an extension to esri arcgis software	2013
40	C.VENKATESWA RA RAO	Identification of suitable locations for small hydro power plants using geomatics	2013
41	B.RAJASEKHAR	Effective water distribution system using scada:a case study of vijayawada municipal corporation	2013
42	M.DEVAPUTRA	Estimation of hydrological parameters from basin characteristics for a semiarid catchment	2013
43	T.V.DAYAKAR RAO	Identification of soil erosion and water conservation structures using remote sensing and gis	2014
44	N.VIJAYA KUMAR	A study on water quality of osmansagar reservoir for sustainable drinking water	2014
45	B.RAVINDER	Residual energy and relative loss of energy on spillways	2014

46	ZAINAB MASOOD	Study of long term trends of ret and crop water demand in godavari basin using geospatial techniques	2014
47	P.INIRA	Urban Air Quality Analysis Of Ramachandra Puram And Patancheru In Greater Hyderabad Muncipal Corporation	2014
48	M.SUKANYA	Development of continuous water supply system approach using district metered area concept and geographical information system	2014
49	P.INDIRA	Urban air quility anaysis of ramachandra puram and patancheru in greater hyderabad muncipal corporation	2014
50	V.ASHOK	Continuous water supply and cost analysis a case study of adikmet zone,hyderabad	2014
51	K.RAMA KRISHNA REDDY	Evaluation and potential improvements to proposed hydro electric project	2014
52	B.RAJESH REDDY	Water shed management using remote sensing and geographical information system - a case study	2014
53	ARFATH AHMED KHAN	Ground water recharge estimation model using fazzy logic	2014
54	NARLA SIVA VANI	Estimation of hourly reference evapotranspiration	2014
55	R.Suresh Kumar	Regression analysis of rain fall and runoff process of kotapally watershed	2014
56	D.PRABHUSON	Gis and gps for utility mapping - a case study of kalyan nagar	2014
57	MADAK MADAVI	A dissertation on cavitation damages	2015
58	G.CHANDRA REDDY	Development of intensity duration frequency relationship and impact of climate on monthly rainfall	2015
59	P.VISHNU VARDHAN	Sedimenttransport mondeling using artificial neural network and sediment rating curve	2015
60	G.TRISUL KUMAR	Applications of infiltration studies for effective mangement of water resource in a costal belt	2015
61	PINAPA VIDYASAGAR	Water shed management for Dharmasagaram mandal in warangal dist in telangana state	2015

62	G.PUNEETHA	Phytoremediation of urban sewage water	2016
63	GOLLA.SREENIV ASU	Roof top rain water harvesting studies in JNTU Hyderabad campus	2016
64	K.B.REKHA	Determination of ground water quality index	2016
65	SINDHU DONDHI	Effect of Irrigation Requirement Due to Climate Change on Command Area	2017
66	SIRISHA DUVVURI	Analysis of Residual Chlorine in Drinking Water Distribution System Using a Software	2019
67	M. RAMYA	A Remote Sensing and GIS Based Study of Rapid Urban Expansion and its Implications on Geo- Morphology of West Zone of Hyderabad.	2019
68	D. AJAY KUMAR	Design of Sustainable Water Distribution System by Using EPANET Software	2019

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

M.V.S. S. Giridhar

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