

Curriculum Vitae

Dr. G K VISWANADH

Professor of Civil Engineering &
Officer on Special Duty to Vice-Chancellor
JNTUH, Hyderabad
Email:kasi.gorthi@gmail.com;
gkviswanadh@jntuh.ac.in
Ph : +91 40 23158661 ext. 1670



Dr. G.K. Viswanadh is presently working as Professor of Civil Engineering and OSD to Vice-Chancellor. He has vast experience in academics, research, consultancy, administration and examinations. Dr. Viswanadh's research interests are in the areas of Integrated Water Resources Management, Watershed Management, Rainwater Harvesting, Management of Lift Irrigation Schemes and GIS Applications in Water Resources Management. Dr. Viswanadh has published **189** well-researched scholarly papers at National and International journals and conferences, guided **12 Ph.Ds** and **25 M.Tech** dissertations. At present, he is guiding **8 Ph.D.** scholars and a large number of M.Tech. students. He has organized 9 national conferences and workshops besides being a member of organizing committees for several seminars and workshops at National and International levels. He has been associated with several MHRD and AICTE R&D Projects. Dr. Viswanadh has been actively involved in several Industrial Consultancy Projects like Third Party Quality control of Irrigation projects, Comparative Evaluation of Minor irrigation Projects, NFFWP works, Fire safety for High rise hospitals, Design of mini hydel stations etc. He is the Technical Paper Reviewer for the Civil Engineering Journal published by Institution of Engineers, the Journal of Spatial Hydrology and several other reputed journals. He is also a Fellow of Institution of Engineers and a member of many professional bodies.

Dr.Viswanadh visited several countries for dissemination of his research outputs and for exchange of ideas, to name a few - Omaha USA (2006), Hawaii USA (2007), Thailand (2009), Sri Lanka (2011), Hong Kong (2011), Urbana Champaign IL , USA (2012), AIT Bangkok (2013), US Flight Academy, Texas, USA (2013), San Francisco, USA (2014), New York, USA (2015), Florida, USA (2016), Washington, USA (2017). He presented his research papers in the international conferences in all these countries.

He worked as the **Head of Civil Engineering** (2006-2008), **Director of Evaluation** (2008-2011) and **Director, Academic & Planning** (2011-2013) and presently **OSD to Vice-Chancellor** (2014 to till date). He worked as the Convener for VRO/VRA recruitment examination, Co-convener for EAMCET during 2010, 2011, 2012, 2013, 2015 & 2016 and Convener for Faculty Eligibility Test- FET 2011, 2012 & 2013. He worked as the Co-coordinator for the police recruitment tests of Telangana state.

He received the **Young Engineer Award** in 1996, and the Kancha Reddy Memorial Award for the **Best Paper** published in IWWA, in 2007. He received Andhra Pradesh State Level **Best Teacher Award** for the year 2010 and **Best Director Award** 2013 from Education Expo Academic Brilliance Awards.

I - Personal Details:

Date of Birth : 3 June 1964

Address for Correspondence : Professor of Civil Engg. & OSD to Vice-Chancellor
JNT University Hyderabad, Kukatpally,
Hyderabad -500085
Telangana, INDIA

Phone No. : +91-40-23158661 ext.1370 (Off)

Fax No. : +91-40-23158665

E-mail Id : gkviswanadh@jntuh.ac.in
kasi.gorthi@gmail.com

Website: : www.jntuh.ac.in

Sex : Male

Marital Status : Married

II - Educational Qualifications:

B.Tech (Civil Engineering), I Class Distinction, Nagarjuna University : 1985

M.E (Hydraulics), First Class with Distinction, Mysore University : 1988

Ph.D.(Water Resources) Jawaharlal Nehru Technological University : 1996

Certificate Course (C, C++, OOPS , Networking) JNT University, Hyderabad : 1997

III - Academic Positions:

Professor of Civil Engineering, JNTUH : 2003 to till date

Associate professor of Civil Engineering, JNTU : 1998 – 2003

Assistant Prof of Civil Engineering, JNTU : 1992 – 1998

Lecturer in Civil Engineering , SVH CE, Machilipatnam : 1985 – 1992

IV - Administrative Positions:

OSD to Vice-Chancellor, JNTUH : 2014 - till date

Director, Academic and Planning JNTUH : 2011 -2013

Director of Evaluation JNTUH : 2008 -2011

Head Civil Engg., JNTU College of Engg., Hyderabad : 2006-2008

Nodal Officer TEQIP-I, JNTU College of Engg., Hyd. : 2003-2008

Officer In charge of Hydraulics Lab of Civil Engg. : 1995-2006

Officer In charge of Computer Lab of Civil Engg. : 1995 -1998

Officer in charge of Examinations of JNTUCE, Hyd. : 1995-2003

| Designation | Number of Years of Experience | Details of Administrative Experience |
|---|-------------------------------|--|
| OSD to Vice-Chancellor JNTUH | 3 years (2014 – till date) | Establishment works, academic works, Examination works, affiliation works, On various committees, Meetings with all Principals, Directors for review of progress of academic works, CAS promotions to faculty, Convocations etc. |
| Director Academic & Planning JNTUH | 3 years (2011-13) | Establishment of new constituent colleges, new UG/PG programs, UFC funds, scholarships, Procurement of lab equipment, purchase committee meetings, convocations, MoUs with national and international organizations. |
| Director of Evaluation JNTUH | 2 years 6 months (2008-11) | Conduct of UG/PG/Ph.D examinations of all affiliated colleges, valuation and result processing, convocations, student services etc. |
| Head of Civil Engineering, JNTUH college of Engineering Hyderabad | 2 years (2006-08) | Teaching , research, NBA accreditation, UGC autonomous status to the college, organizing conferences/workshops, student technical events etc. |
| Nodal officer, TEQIP | 4 years (2004-08) | Project implementation, Quality improvement in the institution, expert lectures, workshops, civil works, procurement of goods, teaching-learning improvement, community services. |
| Officer In-Charge of Examinations | 8 years (1995-2003) | Conduct of UG/PG/Ph.D examinations autonomous college and valuation of all affiliated colleges, result processing, student services etc. |

V - Examination Related Activities:

| | | |
|---|---|----------------------------------|
| Convener , VRO/VRA Recruitment Test | : | 2012 |
| Co-convener, EAMCET | : | 2010,2011,2012 2013,2015,2016 |
| Convener, Recruitment Test , APSRTC | : | 2010 |
| Convener, Jharkhand State Adm test (Engg, Med) | : | 2009 - 2011 |
| Convener, APCPDCL recruitment Examination | : | 2010 |
| Convener, FET(Faculty Eligibility Test) JNTUH | : | 2011,2012,2013 |
| Co-convener, FET(Faculty Eligibility Test) JNTUH | : | 2010 |
| Regional Co-ordinator, ECET (FDH) | : | 2008 |
| Assoc. Nodal officer for 43 affiliated Engg. colleges | : | 1998-2003 |
| Associate Chief superintendent EAMCET | : | 1996-2003 |
| Chief Superintendent , EAMCET | : | 2004-2006 |

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|--|---|-------------|
| Member, CET Committee for EAMCET | : | 2012 |
| Member, PGECET Admissions | : | 2011 & 2012 |
| Co-coordinator, Police recruitment test , TS Govt. | : | 2015 & 2016 |

VI - Awards / Distinctions:

| | | |
|---|---|------|
| Best Director Award from Education Expo Academic Brilliance, New Delhi | : | 2013 |
| Best Teacher Award from the Government of Andhra Pradesh | : | 2010 |
| Kancharaddy Memorial Prize by Indian Water Works Association (IWWA) | : | 2008 |
| Young Engineer Award by the Institution of Engineers (India) Govt. of A.P | : | 1996 |

VII - Research Experience:

- Associated with **5** AICTE, MHRD R&D and Consultancy Projects.
- Guided **12 Ph.D's**, **25 M.Tech** dissertations and **27 B.Tech** projects.
- Presently guiding 8 Ph.D's and 12 M.Tech dissertations
- Published **189 Research papers** in national and international journals & conferences
- Technical paper reviewer for the journal of Civil Engg. Institution of Engineers (India) and Journal of Spatial Hydrology.

VIII - Research Projects

Funded by Govt. of India (05):

| | | |
|----|--|--------------|
| 1. | Associated with the project "Modernization of Fluid Mechanics and Hydraulics Laboratory", sanctioned by MHRD, Government of India, Rs.5.00 lakhs. | 1993 – 1996. |
| 2. | Principal Investigator for the R&D Project "Descriptive and Prescriptive Models for Effective Management of Floods", sanctioned by AICTE, Government of India, Rs.3.00 lakhs. | 1998 – 2002 |
| 3. | Principal Investigator for the R&D Project "Integrated Water Resources Management strategies for typical scanty rainfall area – A case study of lower Krishna Basin" sanctioned by AICTE, Government of India, Rs.4.00 lakhs. | 2003 – 2007 |
| 4. | Co-principal Investigator for the R&D Project "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" sanctioned by TSCOST, Telangana state, Govt. of Telangana, Rs.8.50 lakhs. | 2016-18 |
| 5. | Co-principal Investigator for the R&D Project "Drinking Water Augmentation to Sc Communities in Fluoride Affected Areas of Nalgonda District Through Rainwater Conservation" sanctioned by NRDMS, Ministry of Science and Technology, Department of Science and Technology, for Rs.5.52 Lakhs | 2016-18 |

Industrial Consultancy Projects (13):

| | | |
|-----|---|---------|
| 1. | Technical study on “Flooding and Inundation of Residential Area at Dacheppally Village adjacent to NAM Project during severe rains in September” | 2016 |
| 2. | Member, Third Party quality control team for school buildings, Govt. of A.P. | 2011 |
| 3. | Member, Fire safety guidelines Committee for High Rise Hospitals, GHMC Hyd. | 2010 |
| 4. | Member, Expert Committee for Palemvagu dam monitoring committee, Govt. of AP. | 2009 |
| 5. | Vetting and approval of Rain fall Analysis Report for PURI Town, Voyant Solutions pvt. Ltd. | 2009 |
| 6. | Member, Expert committee for Palemvagu dam breach investigation. Govt. of AP. | 2008 |
| 7. | Third party quality control for irrigation projects in A.P. | 2007-12 |
| 8. | Economic evaluation of Mini Hydel Stations of APTRIPCO, Govt. of A.P. | 2007 |
| 9. | Third party quality control and quality assurance for the works of Andhra Pradesh Rural Employees Guarantee Scheme (APREGS), Govt. of A.P., | 2006 |
| 10. | Coordinator for Evaluation & Physical Verification of Irrigation works carried out under National Food For Work Programme (NFFWP) projects in Ranga Reddy District. Govt. of A.P. | 2005-06 |
| 11. | Coordinator for the preparation of PFR’s and DPR’s for three mini hydel stations of APTRIPCO, Govt. of Andhra Pradesh., | 2004-06 |
| 12. | Feasibility Report on Construction of ELSR at XIV Phase area Survey no. 1009/1 of KPHB, Hyderabad, The Hyderabad Metropolitan Water Supply & Sewage Board | 2004 |
| 13. | Coordinator for Comparative Evaluation of Minor Irrigation Projects of ITDA, Govt. of A.P., | 1993-96 |

IX - Present Areas of research:

- Integrated Water Resources Management
- Decision Support System for IWRM
- Conjunctive use management
- Rainfall-Runoff Modeling
- Critical analysis of Lift Irrigation Schemes
- Watershed Management
- Friction factor studies in pipes
- Application of RS & GIS in water resources management.
- Rain water harvesting structures

X - Books and proceedings

1. G.K.Viswanadh and M.V.S.S. Giridhar; Proceedings of the National Workshop on Watershed Management and Impact of Environmental Changes on Water Resources (WMEC-2006), Sep. 2006.
2. G.K.Viswanadh and M.V.S.S. Giridhar; Proceedings of the National Conference on Watershed Management and Impact of Environmental Changes on Water Resources (WMEC-2007), Feb 2007. ISBN: 81-7800-143-8
3. G.K.Viswanadh and M.V.S.S. Giridhar; 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.
4. G.K.Viswanadh; Fluid Mechanics and Hydraulic Machines laboratory manual, SCDE press, JNTU, 2005.
5. G.K.Viswanadh; Environmental Engineering Laboratory Manual, SCDE press, JNTU, 2007.

XI - Ph.D. Thesis Guided (12):

| S.No. | Name of the Student | Year of award | Title of the Thesis |
|--------------|----------------------------|----------------------|---|
| 1. | P. Anil Kumar | 2017 | Development of a GIS model and identification of rain water harvesting structures using Geomatic approach. |
| 2. | Matam mohan Babu | 2015 | Salt water intrusion studies in coastal freshwater aquifers. |
| 3. | Mudimby Andal | 2013 | Performance studies on Modified Geosynthetic Clay liners (GCL). |
| 4. | B.J.S.Vara Prasad | 2011 | Investigations on deposits in domestically used PVC pipes. |
| 5. | G.Venkata Ramana | 2010 | Integrated Approach to watershed Management using Remote Sensing and Geographical Information system Modules. |
| 6. | A.Subhas Chandra Bose | 2010 | Developing a GIS model for Integrated Soil and Water Management Practices – A Geomatic Approach. |
| 7. | A. Srinivasa Prasad | 2009 | Optimal Irrigation Planning and Real time reservoir – A case study of Nagarjuna sagar Reservoir project. |
| 8. | C.S.V. Subrahmanya Kumar | 2009 | Performance evaluation and comparison of different types of hydrological models using artificial neural networks. |
| 9. | M. S. Shiva Reddy | 2008 | Evaluation of Flow Parameters of Few Typical Tunnel Sections under Free Surface Flow Conditions , |
| 10. | MVSS Giridhar | 2007 | Semi Distributed Conceptual Rainfall-Runoff Models. |

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|-----|--------------------|------|---|
| 11. | V.V. Nageswara Rao | 2003 | Friction Factor Investigations on Used Domestic PVC Pipes. |
| 12. | N. Chalamaiah | 2002 | Critical Analysis of Lift Irrigation Schemes for Optimal Management of Resources. |

Ph.D's under progress:

| | | |
|----|--------------------|--|
| 1. | V.V. Vijaya Kumar | Extreme value correlations using Genetic Algorithms |
| 2. | U. Visweswara Rao | Dynamic operation Of Reservoirs for managing and mitigating floods |
| 3. | Ramana Murthy | Decision support system for Hydrological studies |
| 4. | S. Venkat Charyulu | Effective Water Resources Management using Decision Support System, |
| 5. | Venkat Rao | Structural Optimization of High rise steel buildings |
| 6. | Phani Madhav | Optimal Control of Water Distribution at DAMS & Reservoirs Using Scada & Telemetry, |
| 7. | Ashok | Urban Flood Forecasting and Management using GIS |
| 8. | CVS Narayana | Conjunctive utilization of water resources for managing water quality for irrigation |

XII - M.Tech Theses guided:

| S.No. | Name of the Student | Year of Completion | Title of the Thesis |
|--------------|----------------------------|---------------------------|---|
| 1. | S Venkat charyulu | 2013 | Sedimentation Evaluation using Remote sensing and GIS: A case study of Himayath sagar Reservoir. |
| 2. | K.Venkat Reddy | 2007 | Comparison of Evapotranspiration estimation methods for sub basin K-11 of Krishna river. |
| 3. | P.Rajesh Kumar | 2006 | Optimal Operation of a single reservoir using Differential Dynamic Programming. |
| 4. | D.Srinivasa Reddy | 2006 | Comparison of surface runoff for a sub-basin of Krishna river using Stanford watershed model-IV and SCS method. |
| 5. | M.Vidyadhar | 2003 | Rainfall Analysis and characteristics in Rangareddy District (Multiple Regression Model) |
| 6. | Ratan Babu Kommineni | 2003 | Estimation of Parameters of Nash IUH Model. |
| 7. | Md.Mahmood. Ali | 2003 | Land Use / Land Cover Changes in Dharmabad Watershed of SRSP. |
| 8. | L. Hanumantha Reddy | 2003 | Design of Minor Irrigation Tank With High Co-efficient Weir |

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|-----|--------------------------|------|--|
| 9. | S.Mallikarjuna Rao | 2003 | Optimal Operational strategy of a reservoir under variable inflow conditions in Nagarjuna Sagar reservoir. |
| 10. | D.Sanjeeva | 2001 | Hydrologic Data Processing Time Series Analysis. |
| 11. | D.V.S.Satish | 2001 | Identification of Water Logged Area and Remedial Measures in Krishna Delta. |
| 12. | T.V.S. Suryanarayana Rao | 1999 | Mapping the Interface between the Subsurface Water and Sea Water in Krishna Delta Area. |
| 13. | B. Pratap Kumar | 1998 | Development of Renewable Energy by Setting up of a Mini Hydro Scheme along the Irrigated Canal System. |
| 14. | Sk. Khalesha Vali | 1998 | Irrigation Water Management for a Scanty Resource Area |
| 15. | Madhava Rao | 1995 | Optimal cropping Pattern of Saraswathi Canal Command |

XIII - B.Tech Projects Guided:

| S.No. | Name of the Student | Title of the Project |
|--------------|----------------------------|---|
| 1. | P.Devi | Providing Drinking Water Facilities to North Addanki Village (CPWS Scheme) in Addanki Mandal. |
| 2. | A.V.L. Satyanaryana | Design of Tube Well Irrigation System for Conjunctive use of Surface Water And Ground Water in Krishna Delta. |
| 3. | Mohd. Ali Akbar | Artificial Recharge of Groundwater by the Method of Roof top Collection. |
| 4. | Ch. Chandra mohan | Design of a Baffle Type Drop cum Regulator on a Major Canal. |
| 5. | Y.Bhaskara Rao | Water Supply Scheme to Bellamkonda and other 16 Villages. |
| 6. | Eswara Raju | Study of Designed Non-Overflow Dam of Maddileru Irrigation Project -Anathapur District. |
| 7. | Jagath Prakash Goud | Drinking Water Supply Scheme to a Rural Village Kothur 'K'. |
| 8. | A.A.Srikar & Others | Estimation of Peak Flood Discharge from Daily Rainfall and Remote Sensing Data for Designing Urban Drainage System- A Part of Hyderabad City. |
| 9. | P.Ganga Bhavani | Flood Forecasting in Krishna Basin. |
| 10. | S.N.V.Satish & Others | Flood Forecasting in Godavari and Krishna Basins. |
| 11. | S. Arunalatha | Comparison of Geographical Features of Pre and Post Monsoon Periods of Konapalli Watershed Using GIS. |
| 12. | M.K.Yousuf Uddin Fareed | Flow Measurements and Sediments Analysis of River Krishna (At Site No:10) |
| 13. | A. Lakshmi | Hydraulic Design of a Small Scale Hydroelectric Power Plant. |
| 14. | S.Bhargavi | Remote Sensing and GIS Applications in an Irrigation Project. |

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| 15. | B.Nagaraju | Planning and Design of Irrigation Tank across Vepakonda Vanka Village Karvetinagaram (Mandal) Chittoor (Dist). |
| 16. | Tirupalu Reddy | GIS Based Creation for Forecast Coverage of Vizianagram District. |
| 17. | G.Sunil Kumar | Planning and Design of Irrigation Tank across Barate Puram In Nagalapuram (Mandal) A.P. |
| 18. | Ch. Yadagir Reddy | Data Base Creation of Seven-Trend Water Network in England. |
| 19. | T.Swapna | Integrated Water Management. |
| 20. | Rajasekhar | Conjunctive Utilization of Surface Water and Ground Water in Krishna Delta. |
| 21. | Ch.Rajan Raju 2009 | Planning, Analysis and Design of a Rainwater harvesting system: A case study of hostel building of vignan vidyalaya. |
| 22. | G.Swapna Kumari, 2009 | Analysis and Design of Trough aqueduct. |
| 23. | Shaik Osman , 2005 | Water management through a Lift Irrigation scheme for supplementing tail end of command area under N.S.P. |
| 24. | Y.V.Sudhakar babu, 2009 | Integrated watershed management |
| 25. | S.Pavan Kumar, 2007 | Runoff estimation of a watershed using GIS and SCS-CN method. |
| 26. | P.Bharath Anand, 2005 | Water Resources management in kakkalapalli watershed in Ananthapur district using Remote sensing and GIS techniques. |
| 27. | N.Roopu 2005 | Analysis of financial viability of mini-hydel station on a stream (case study of Kuntala water falls) |

XIV - Visits Abroad (12):

| | | |
|-----------|---|------|
| USA | International conference at Washington DC , USA | 2017 |
| USA | EWRI -ASCE conference , West palm beach, Florida USA | 2016 |
| USA | International Conference on Innovation in Engg., NY , USA | 2015 |
| USA | International Conference on Climate Change, SFO, USA | 2014 |
| USA | MoU Visit to US Flight Academy, Texas, USA | 2013 |
| Thailand | MoU Visit to Asian Institute of Technology , Bangkok , Thailand | 2013 |
| USA | WRM Conference, university of Illinois , IL, USA | 2012 |
| Sri Lanka | Invited Lecture on WR management , Colombo, Sri Lanka | 2011 |
| Hong Kong | Educational visit to Poly University, Hong Kong | 2011 |
| Thailand | EWRI-ASCE Conference , AIT, Bangkok, Thailand | 2009 |
| USA | IASTED Conference, Honolulu , Hawaii, USA | 2007 |
| USA | EWRI-ASCE Conference Omaha, Nebraska, USA | 2006 |

XV- Member of Professional Societies/Govt. Bodies (06):

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| Fellow of Institution of Engineers (India) | FIE: F-112482-6 |
| Member of Journal of Spatial Hydrology | MJOSH |
| Member of Association of Hydrologists of India | AHI-LM-345-638 |
| Member of Indian water Resources Society | LM-95-4714 |
| Member of Indian Society for Technical Education | LM 6408 |
| Member, Indian Remote Sensing Society | L-2593 |

XVI - Member of Advisory / Enquiry Committees of Government Departments (16):

| | |
|--|------|
| Member , Innovation fund committee, TEQIP-II, SPFU, Govt. of A.P. | 2014 |
| Member of Selection committee for IIIT, Govt. Of A.P. | 2014 |
| Member, State Advisory committee on Promotion of Human values among students, Commissionerate of Collegiate Edn. Govt. of A.P. | 2013 |
| Member, GHMC committee for Storm water Drains, Hyd. | 2012 |
| Member of Task force for Inspection of Engg. Colleges, , Govt. of AP. | 2012 |
| Member, Review Committee for eligibility criteria for PGECET. | 2012 |
| Member of CET committee for EAMCET-2012, APSCH, Govt. of AP. | 2012 |
| Member of Monitoring Committee for Palemvagu project. | 2011 |
| Member , Committee for CFO, Zonal office , AP PCB, Hyd. | 2011 |
| Member, Committee for Prevention of malpractices in EAMCET. | 2011 |
| High Power Committee on Exam Reforms, Dr.BR. Ambedkar open Uty.Hyd. | 2011 |
| Member for Establishment of Technical Uty. Govt. of Jharkhand. | 2009 |
| Member of Expert Committee for Palem vagu Dam breach, Govt. of AP. | 2008 |
| Member, Technical Bid committee for finalization of technical bids of AP TRIPCO for construction of Mini Hydel Stations in Andhra Pradesh. | 2007 |
| Advisory core committee, I & CAD Dept., for e-Governance, Govt. of A.P. | 2005 |
| Member, Reforms committee for improving efficiency of I&CAD, Govt. of A.P. | 2004 |

XVII - Member of University Statutory and other Committees (35):

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|---|------|
| Coordinator , VI Convocation, JNTUH | 2017 |
| Member, Academic Council, Srinidhi Institute of Science & Tech. | 2017 |
| Member, Academic Council, National Academy of Construction | 2017 |
| Coordinator, V Convocation , JNTUH | 2014 |

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|---|-----------------|
| Member, preparation of model statutes and ordinances of JNTUH. | 2014 |
| Member, University Teachers recruitment committee of JNTUH. | 2014 |
| Coordinator, IV Convocation , JNTUH | 2013 |
| Member, selection committee for teachers, JBIET, Hyd. | 2013 |
| Chairman, Board of Studies (BoS), Agricultural Engineering, JNTUH. | 2012-14 |
| Member, Academic Council, GNITS(Autonomous), Hyderabad. | 2011-14 |
| Member, Academic Council, Sri Indu College of Engg. & Tech. Hyd. | 2011-14 |
| Chairman, University Purchase Committee, JNTUH. | 2011-13 |
| Member of purchase committee of JNTUHCEH. | 2011-13 |
| Member of scrutiny committee for State Teacher Awards, JNTUH. | 2011-13 |
| Coordinator, III Convocation , JNTUH | 2011 |
| Member of Enquiry committee at JNTUH CEM, Manthani. | 2011 |
| Member, Examination and Evaluation Reforms Committee, JNTUH. | 2010 |
| Member, Governing body Kamala Nehru Polytechnic, Hyderabad. | 2010 |
| Member, BoS (Civil Engg.), JNT University Ananthapur. | 2009 -12 |
| Member, Governing Body, SVITS, Mahaboobnagar. | 2008-till date |
| Member, Governing Body, SR Engineering College, Warangal. | 2008-till date |
| Member, Standing Committee for Affiliation, JNTUH. | 2008-16 |
| Member, Governing Body, TKR Engg. College, Hyderabad. | 2008-13 |
| Member, Governing Body, Madhira College of Engg., Kodad. | 2008-13 |
| Member, Governing Body, Gurunanak Inst. of Technology. | 2008-13 |
| Member, Governing Body, CM Engineering College, Sec'bad. | 2008-13 |
| Member, Governing Body, Ganapathy Engg. College, Warangal. | 2008-13 |
| Member, BoS(Spatial Inf. Tech.), Inst. of Science & Tech., JNTUH. | 2006-09 |
| Member, Fact Finding Committee for affiliated colleges. | 2005-till date |
| Member, Governing Body, Khadar Memorial Engg. College. | 2005-11 |
| Member, BoS(water Resources), Inst. of Science & Tech., JNTU. | 2005-08 |
| Member, Governing Body, KITS, Huzurabad, Warangal District. | 2005-08 |
| Member, BoS (Civil Engg.) Affiliated colleges, JNT University, Hyd. | 2005- till date |
| Member, BoS (Civil Engg.), JNTU College of Engg. (Auto), Hyderabad, | 2005- till date |
| Member, Academic Development Committee, SRTIST, Nalgonda. | 2004-09 |

XVIII - Member of UGC Autonomous Committees (05):

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|---|------|
| Member, UGC Committee for BVRIT, Hyderabad | 2013 |
| Member, UGC Committee for GRIET, Hyderabad | 2013 |
| Member, UGC Committee for Anurag Engg. College, Kodad | 2013 |
| Member, UGC Committee for CVSR Group of Inst., Hyderabad | 2013 |
| Member, UGC Committee for G.Pullareddy Engg. College, Kurnool | 2012 |

XIX - Scholarships received (4):

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| Merit Scholarship from Zilla Parishad from 8 th class to 10 th class. | 1976-79 |
| National Merit Scholarship from collegiate education Govt. of A.P, for Intermediate. | 1979-81 |
| National Merit Scholarship from collegiate education Govt. of A.P, for B.Tech four year program | 1981-85 |
| University Grants Commission scholarship for M.Tech studies. (18 months) | 1986-88 |

XX - Keynote/Invited Lectures Delivered (33):

| | | |
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| 1. | Invited lecture on "Integrated water Resources management" during the technical event "Stapathya-2017" organised by the department of civil Engineering, JNTUH College of Engineering, Kukatpally, Hyderabad. | 21 Mar 2017 |
| 2. | Invited lecture on "Integrated Water Resources Management" at, Civil Engineering students carnation STAPATYA-17 & world water day celebrations at JNTUH CEH, Hyderabad. | 22 Mar 2017 |
| 3. | Invited lecture on "Effective Water Conservation Practices for Sustainable Water Resources Management" at Institution of Engineers India(IEI), Hyderabad Centre. | 15 May 2017 |
| 4. | Invited lecture on "Integrated Water Resources Management" at Nawab-Shah College of Engineering and Technology | 12 Aug 2017 |
| 5. | Invited lecture on "Innovative Methods of Water Resources Management" at Malla Reddy Institute of Technology, Hyderabad | 8 Sept 2017 |
| 6. | Invited lecture on "Innovative Practices for Water Conservation" at Sreenidhi Institute of Science and Technology, Ghatkesar, Hyderabad | 15 Sept 2017 |
| 7. | Invited lecture on " Sustainable Water Management" at Nawab-Shah College of Engineering and Technology, Hyderabad. | 21 Sept 2017 |
| 8. | Invited talk on "Effective water-conservation practices for Sustainable water resources Management" during the Seminar on Sustainable Water Management organised by the Institution of Engineers India, Telangana state centre, Hyderabad. | 15 May 2017 |
| 9. | Invited lecture on "Effective Water Conservation" at international | 15 Dec 2017 |

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| | conference on Advances in Civil Engineering, GRIET, Hyderabad | |
| 10. | Invited lecture on “Decision Support System for Integrated Water Resources Management” at National Conference on Sustainable Water and Environmental Management at CWR, JNTUH, Hyderabad | 21 Dec 2017 |
| 11. | Invited speaker for the topic “Integrated Water Resource Management” at Nawab-shah Alam Khan College of Engineering & Technology, Hyderabad during the national conference on “Emerging Trends in Engineering & Technologies” (NCETET-2016). | 17 Dec 2016 |
| 12. | Invited lecture on “Sustainable Development -Integrated Water Resources Management” during world water day celebrations organised by Institution of Engineers, Hyderabad. | 23 Mar 2015 |
| 13. | Invited talk on “Effective Teaching practices and Evaluation Strategies (including API scores for teachers)” organised by BV Raju Institute of Technology for women. | 17 Oct 2015 |
| 14. | Invited lecture on “Integrated water resources management” at the International conference on recent advances in Civil Engineering organized by department of Civil Engineering, ACE Engineering College, Hyderabad. | 3 Jan 2014 |
| 15. | Invited lecture on “Integrated water resources management” organized by department of Civil Engineering, Mallareddy Engineering College (Autonomous), Hyderabad under Technical Education Quality Improvement Program (TEQIP) | 25 Mar 2014 |
| 16. | Invited lecture on “Engineering entrance examinations in India and role of parents in preparation” organized by Integra Eduventure, Nagpur. | 1 April 2014 |
| 17. | Invited lecture on “Research Methodology & How to make a publication” organized by Research and Development Cell, JNTU Kakinada. | 5 May 2014 |
| 18. | Invited lecture on “Effective Teaching and Research Evaluation Strategies” for faculty development program organized by GITAM School of Technology, GITAM University, Hyderabad. | 14 June 2014 |
| 19. | Invited lecture on “Water resources Assessment Planning and Management” for faculty development program on Applications of Geomatics for Disaster Management (AGDM - 2013). | 30 Dec 2013 |
| 20. | Invited Lecture on “Water Resources Management” during the workshop & Lecture program on “Recent Trends in Building Construction and Maintenance” organised by the Chamber of Construction Industry, Colombo, Sri Lanka. | 6 Jan 2011 |
| 21. | Invited lecture on “Irrigation water quality” during 3 rd International conference on Hydrology and Watershed Management organised by CWR IST JNTUH. | 3 Feb 2010 |
| 22. | Invited lecture on “Climate Change and Water Resources” during the seminar on “Impact of Climate Change” organised by the Institution of | 15 Sep 2009 |

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| | Engineers (India), Hyderabad on | |
| 23. | Invited lecture on “Rooftop water harvesting” during “Training on Rainwater Harvesting and Water Conservation Methodologies” organised by Center for Water Resources , IST,JNTUH. | 29 Mar 2007 |
| 24. | Invited Lecture on “Water Resources Assessment” during a conference at Sri Venkateswara College of Engineering, Chittoor. | 25 Jan 2007 |
| 25. | “Be a Winner- the secrets of success” at Institute of Science and Technology, JNTU, Hyderabad. | 23 Aug 2005 |
| 26. | “Be a Winner- the secrets of success” Civil Engineering Association, JNTUCEH, on Personality development. | 3 Mar 2005 |
| 27. | Invited lecture on “Secrets of Success” at SRTIST, Nalgonda. | 24 Dec 2004 |
| 28. | Invited lecture on “Irrigation water Management” during the Induction training to the newly recruited AEEs of I& CAD Dept, organised by Water and Land Management training and research Institute (WALAMTARI), Himayatsagar, Hyderabad. | 6 Sept 2004 |
| 29. | Invited lecture on “Overview of Surface water Hydrology” during the refresher course on surface water Hydrology organised by State Groundwater Department, Govt. of A.P. | 16 Sept 2002 |
| 30. | Five Invited Lectures on “Boundary Layer flows” during the refresher course on advances in fluid dynamics and boundary layer flows organised by UGC Academic Staff College, JNTU, Hyderabad. 2002-05 | 30 Sept 2002 |
| 31. | Five Invited Lectures on “Boundary Layer flows” during the refresher course on advances in fluid dynamics and boundary layer flows organised by UGC Academic Staff College, JNTU, Hyderabad. 2002-05 | 30 Sept 2002 |
| 32. | Five Invited Lectures on “Boundary Layer flows” during the refresher course on advances in fluid dynamics and boundary layer flows organised by UGC Academic Staff College, JNTU, Hyderabad. 2002-05 | 30 Sept 2002 |
| 33. | Invited lecture on “Seepage analysis in Earth dams” during the refresher course on surface water Hydrology for Civil engineering Graduates and Diploma holders of Groundwater department organised by State Groundwater Department, Govt. of A.P. | 16 Feb 2000 |

XXI - Conferences/Workshops/Seminars/Training Programs Attended (48):

International:

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| 1. | International Conference on Civil and Environmental Engineering (I2C2E) being held at Washington, D.C, USA. | 22 June 2017 |
| 2. | American Society of Civil Engineers (ASCE) - Environment and Water Resources Institute (EWRI) Conference, West Palm Beach, Florida. | 22 May 2016 |

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| 3. | International Conference on Innovation in Engineering and Technology, NY , USA. | 3 Aug 2015 |
| 4. | Third International Conference on “Earth Sciences & Climate change” organised by OMICS publishing Inc. San Francisco, California, USA,. | 28 July 2014 |
| 5. | International conference on “Recent Advances in Design, Development and Operation of Micro Air Vehicles”, ICRAMAV 2013, organised by JNTUH. | 21 Nov 2013 |
| 6. | International conference on “Recent Advances in Design, Development and Operation of Micro Air Vehicles”, ICRAMAV 2012, organised by JNTUH. | 10 Dec 2012 |
| 7. | XIX <i>International Conference</i> on Water Resources, CMWR 2012, organized by University of Illinois at Urbana-Champaign. | 15 Jun 2012 |
| 8. | 3 rd International conference on Hydrology and Watershed Management organised by CWR IST JNTUH,. | 3 Feb 2010 |
| 9. | EWRI-AIT International Conference on “An International Perspective on Environmental and Water Resources” organised by AIT, Bangkok, Thailand. | 5 Jan 2009 |
| 10. | International conference on “Water Resources Management”, organized by IASTED at Honolulu, Hawaii, USA. | 20 Aug 2007 |
| 11. | “World Environment and Water Resources Congress 2006”, organised by world Environment & water Resources Institute (EWRI) of the American Society of Civil Engineers (ASCE), Omaha, Nebraska, USA. | 21 May 2006 |
| 12. | 2 nd International conference on “Hydrology and Watershed Management” with a focal theme on Improving Water Productivity in Agriculture organised by CWR IST JNTUH. | 5 Dec 2006 |
| 13. | International Conference on Hydrology and water Resources management organised jointly by American Society of Civil Engineers (ASCE) and IIT, Kanpur. | 21 Dec 2006 |
| 14. | International Conference on “Environment Management” (ICEM-2005), organised by IST, JNTUH. | 28 Oct 2005 |
| 15. | International Conference on “Hydrology and watershed management” (ICHWAM 2002) organized by Center for water Resources, IPGSR, JNTU, Hyderabad. | 18 Dec 2002 |

National:

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| 1. | Workshop on “Outcome based Accreditation Phase I (Webinar)” organised by NBA nodal centre, JNTUHCEH, Hyderabad. | 03 Feb 2014 |
| 2. | National workshop on Solar Pumps in Rural water supply, organized by Engineering staff college of India, ESCI Campus, Hyderabad. | 10 July 2014 |

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| 3. | Faculty development program on “Applications of Geomatics for Disaster Management (AGDM-2013)” organized by Institute of Science and Technology, JNTUH. | 30 Dec 2013 to 11 Jan 2014 |
| 4. | National Conference on Water, Environment & Society (NCWES 2014) organized by Centre of water & resources, Institute of Science and Technology, JNTUH. | 30 June & 1 July 2014 |
| 5. | National conference on “Sustainable Water Resources Planning, Management and Impact of Climate Change”, organised by Centre of Excellence in water resources management, Department of Civil Engineering, Birla Institute of Technology & science , Hyderabad. | 5 April 2013 |
| 6. | “Quality initiatives in Technical & Higher Educational institutions (in compliance with NBA & NAAC Accreditation)” organized by Engineering staff college of India, ESCI Campus, Hyderabad. | 16 Sept 2013 |
| 7. | Conference on: Education and Training to build human resources to address Climate Change and energy issues.” Organised by SaciWaters, Hyderabad. | 3 May 2013 |
| 8. | High Rise Constructions, JNTUHCEH, Hyd. | 22 May 2009 |
| 9. | Management and system capacity building programme, Indian School of Business. | 5 -9 May 2008 |
| 10. | Round table conference on Draft Engineers Bill, organised by the Institution of Engineers (India) Andhra Pradesh state centre, Hyderabad. | 15 June 2008 |
| 11. | Conference on Soft Computing Applications in Water Resources & Environmental Engineering (NC-SCAWREE - 2007), College of Engineering, Osmania University, Hyderabad. | 14 Dec 2007 |
| 12. | Water Resources Management, WRM 2007. | 20 Aug 2007 |
| 13. | National conference on Watershed Management and Impact of Environmental Changes on Water Resources (WMEC-2007), JNTUH. | 22 Feb 2007 |
| 14. | Training on “Systems Management Capacity Development for Nodal officers” organised by NPIU under Technical Education Quality Improvement Programme, Puri, Orissa. | 15 Feb 2006 |
| 15. | National conference on “Geomatics for Rural Development-Achieving synergy between technical and social systems”, organised by NIRD and JNTU. | 5 June 2006 |
| 16. | Workshop on Watershed management and impact of environmental changes on Water Resources, JNTUCEH, JNTUH. | 20 Sep 2006 |
| 17. | Decision support system for water resources planning, National Institute of Hydrology, Roorkee. | 19 Sept 2005 |
| 18. | National workshop on Self Compacting Concrete, organized by department of Civil Engg. JNTU College of Engg. (Under TEQIP). | 10 Sept 2005 |

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| 19. | Workshop on GPS Technologies and its applications, organized by Institute of Science and Technology, JNT University. | 14 Sept 2005 |
| 20. | Training course on “Decision Support system for water resources Planning” organised by National institute of Hydrology, Roorkee. | 19 Sep 2005 |
| 21. | Workshop on Space Technology Applications, SIT, JNTUH. | 18 May 2005 |
| 22. | National Conference on Advanced Modelling Techniques for Sustainable Management of Water Resources (AMTSMW-2004), NIT, WARANGAL. | 28 Jan 2004 |
| 23. | Conference on Water Resources Development and Management Practices (WARM-2004) organised by MVSR College of Engineering, Nadargul, Hyderabad. | 27 Feb 2004 |
| 24. | Refresher course on Computer Applications in Civil Engineering” organised by UGC-ASC, JNTU, Hyderabad. | 13 Nov – 03 Dec 2002 |
| 25. | Computer Applications in Civil Engineering, UGC, JNTUH, Hyd. | 13 Nov 2002 to 3 Dec 2002 |
| 26. | Short term course on “Remote Sensing and GIS for Environmental Management”, organised by Centre for Environment, IPGSR, JNTU. | 10 Feb.- 10 March 2000 |
| 27. | Refresher Course on Surface Water Hydrology, Govt. of A.P., Ground water dept. | 14 Feb 2000 |
| 28. | National Seminar on “Water Resources management for Sustainable Development” organised by Water Technology Centre, Dept. of CE, SVUniversity, Tirupathi. | 12 Mar 1999 |
| 29. | QIP short term training programme on “Computer Graphics and Applications in Mechanical Engineering” organised by Vasavi College of Engineering, Hyderabad,. | 2 Mar 1998 |
| 30. | Two week course on “Remote Sensing, Digital Image Processing & GIS” organised by NRSA, Hyderabad. | 5 Oct 1998 |
| 31. | Four week “Orientation course” organised by Academic Staff College, University of Hyderabad. | 29 Jun-25 Jul 1998 |
| 32. | Four week interdisciplinary winter school on “Computer Software” organised by ISTE Chapter, JNTU, Ananthapur. | 21 Jan - 17 Feb 1993 |
| 33. | Four week training course on “Remote Sensing Applications to water resources”, organised by National Natural Resources Management System and National Remote Sensing Agency, Dept. of Space. | 4-29 Oct 1993 |

XXII - Conferences/Seminars Organised:

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| 1. | Faculty Development Program on MOOCs & OERs | 5-7 Jan 2018 |
| 2. | Co-chairman for the international conference on “Recent Advances in Design, Development and Operation of Micro Air Vehicles”, ICRAMAV-2013. | 9 -11 Sept 2013 |
| 3. | Organizing secretary “Recent Advances in Design, Development and Operation of Micro Air Vehicles”, ICRAMAV-2012. | 09-11 Nov 2012 |
| 4. | Member Organizing committee, Technical Symposium Vignan’s Praudhyogiki-2K12, organised by Vignan’s Institute of Technology & Aeronautical Engineering. | 17 Aug 2012 |
| 5. | Workshop on Human values and Professional ethics for the Principals of the affiliated colleges under JNTUH. | 18-21 Aug 2012 |
| 6. | Workshop on Human values and Professional ethics for the managements of affiliated colleges | 5-6 April 2012 |
| 7. | <i>Organising Secretary</i> for the National workshop on “Mechanization in High rise Construction”, Dept. of Civil Engineering, JNTUH College of Engineering. | 22-23 May 2009 |
| 8. | Event Advisor, STAPATYA-2009, A national student level convention of Civil Engineering, organized. | 20-21 Feb 2009 |
| 9. | Convener, Two day National Conference on Watershed Management and Effect of Environmental Changes, organized jointly by Department of Civil Engineering and IST, JNTU. | 22-23 Feb 2007 |
| 10. | Convener, Two day National workshop on Watershed Management and Effect of Environmental Changes, organized jointly by Department of Civil Engineering and IST, JNTU. | 20-21 Sept 2006 |
| 11. | Convener, STAPATYA-2006, A national student level convention of Civil Engineering, organized. | 17-18 Feb 2006 |
| 12. | Coordinator, one day National workshop on Fluid Dynamics and Boundary layer concepts. | 30 Sept 2005 |
| 13. | Convener, one-month Entrepreneurship development program for unemployed women’s. | 4 Oct 2005 |
| 14. | Convener, one-week Personality Development program for Administrative Staff of JNTUH. | 26 Sept – 1 Oct 2005 |
| 15. | Convener, STAPATYA-2005, A national student level convention of Civil Engineering, organized. | 14-15 Feb 2005 |
| 16. | Member of Organizing Committee for the International conference on “Hydrology and Water Resources Management”, organized by Center for Water Resources, JNTU, Hyderabad. | 18-20 Dec 2002 |
| 17. | Member of Organizing Committee for the Workshop on | 9 Aug 1998 |

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| | “Watershed management – problems and prospects”, organized by Center for Water Resources, JNTU, Hyderabad. | |
| 18. | Member of Organizing Committee for the National Conference on “Emerging Trends in the development of sustainable groundwater sources”, organized by Center for Water Resources, JNTU, Hyderabad. | 12-13 Aug 1997 |
| 19. | Member of Organizing Committee for the National Conference on “Hydrology and water resources”, organized by department of Civil Engineering, JNTU College of Engineering, Hyderabad. | 14-15 May 1996 |

XXIII - Technical Sessions Chaired:

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| 1. | Chaired a Technical session for International Conference on Recent Advances in Civil Engineering at Aurora Engineering College, Hyderabad | 21 Dec 2017 |
| 2. | Chaired a technical session on theme water Resources during the technical event “Stapathya-2017” organised by the department of civil Engineering, JNTUH College of Engineering, Kukatpally, Hyderabad. | 21 Mar 2017 |
| 3. | Chaired a technical session in the national conference on “Emerging Trends in Engineering & Technologies” (NCETET-2016) organised by Nawab-shah Alam Khan College of Engineering & Technology, Hyderabad. | 17 Dec 2016 |
| 4. | Chaired a technical session on theme water Resources during the technical event “Stapathya-2016” organised by the department of civil Engineering, JNTUH College of Engineering, Kukatpally, Hyderabad. | 15 Feb 2016 |
| 5. | Chaired a technical session on theme water Resources during the technical event “Stapathya-2015” organised by the department of civil Engineering, JNTUH College of Engineering, Kukatpally, Hyderabad. | 20 Feb 2015 |
| 6. | Chaired a technical session on theme water Resources during the technical event “Stapathya-2009” organised by the department of civil Engineering, JNTUH College of Engineering, Kukatpally, Hyderabad. | 20 Feb 2009 |
| 7. | Chaired a technical session on theme water Resources during the technical event “Stapathya-2009” organised by the department of civil Engineering, JNTUH College of Engineering, Kukatpally, Hyderabad. | 20 Feb 2009 |
| 8. | Chaired a technical session on GPS Technology and Applications in the national workshop, organized by Institute of Science and Technology, JNT University. | 14 Sept 2005 |

XXIV - Reviewer of Technical journals:

Journal of the Institution of Engineers (India), Civil Engineering Division
Journal of the Indian Society of Remote Sensing,
Journal of spatial Hydrology
Journal of Applied Engineering and Research
Technology Spectrum Journal , JNTUH

XXV - Member of Evaluation of Committees

External examiner for Ph.D. dissertations at JNTU, Hyderabad and SVU Tirupati
External examiner for M.Tech dissertations at NIT, Warangal
External examiner for M.Tech dissertations at AU, Visakhapatnam
External examiner for M.Tech dissertations at OU, Hyderabad
External examiner for B.Tech at JNTU (Autonomous),Kakinada,
External examiner for B.Tech at BEC, Bapatla,
External examiner for B.Tech at CBIT, Hyderabad

XXVI - Application of Research Work:

The title of the research work carried out is “OPTIMAL WATER MANAGEMENT STUDIES UNDER VARIABLE INFLOW CONDITIONS IN LOWER KRISHNA BASIN”. The study deals with the optimal utilization of surface and ground water resources subject to the quality consideration in the lower Krishna Basin of Andhra Pradesh. The lower Krishna basin consists of three main projects in A.P, viz. Prakasham Barrage, Nagarjuna Sagar project and Srisailem project.

Objectives of the work:

- To examine the quality of ground water and surface water in three divisions of the Krishna Delta for its use in Irrigation.
- To consider a proper mix of ground water and surface water in their conjunctive use for the Krishna Delta irrigating system.
- To achieve optimal surface and ground water utilizations.
- To allocate irrigated areas for different crops with only surface water utilization.
- To determine the possible conservation of storage at the Nagarjuna Sagar reservoir.
- To propose the utilization of this conserved storage in different command areas of Srisailem project.

- To compare water utilization with surface water only and with conjunctive utilization.
- To computer the possible hydropower generations with the variability of inflow into different reservoirs and main canals for all inflow conditions.

An LPP model maximizing the net benefit from irrigation subject to resource, operational and management restrictions has been formulated. The utilizations of water are compared when only surface water is used and when conjunctive utilization is adopted with variability of inflows. The possible conservation of storages are worked out. Based on the diversions, the hydropower generations at Nagarjuna Sagar and Srisaillam project are completed.

XXVII - List of Research Publications:

International Journals

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| 1. | M. Visweswara Rao and G.K.Viswanadh, (2017) "Trap efficiency of Almatti reservoir in Krishna basin" International journal of latest trends in Engineering and Technology(IJET); Vol. 8 , issue1. |
| 2. | M. Visweswara Rao and G.K.Viswanadh, (2017) "Effect of sedimentation on reservoir operation" International journal of Advanced scientific technologies in engineering and management sciences; Vol. 3 issue. |
| 3. | M. Visweswara Rao and G.K.Viswanadh, (2017) "Determination of net flows into Almatti reservoir from CWC gauge data and reservoir data", International journal of Civil Engineering and Technology(IJCET), Vol.8 issue2. |
| 4. | Giridhar M.V.S.S, Chandra Bose A.S and G.K.Viswanadh, (2017) "Assessment of Meteorological Drought Using Spatial Information Technology" International Education and Research Journal - IERJ (E-ISSN: 2454-9916). |
| 5. | M. Mohan Babu, G.K.Viswanadh & V.Varalakshmi, (2014) "Ground Water Modeling of Nellore Coastal Zone" International Journal of Civil, Structural, Environmental and Infrastructure Engineering Research and Development (IJCSEIERD) ISSN(P): 2249-6866; ISSN(E): 2249-7978 Vol. 4, Issue 1, pp.101-110. |
| 6. | G Venkatramana, B. Rajasekhar and G.K.Viswanadh, "Professional drinking water supply with Supervisory Control And Data Acquisition (SCADA) system", International Journal of Advances in Computer Science and Technology (IJACST), Vol.3 , No.1, Pages : 01-10, Special Issue of ICACSET-2014. |
| 7. | Rajkumar V. Raikar, Shiva Reddy M.S. and G.K. Viswanadh, (2014) "Computation of Normal and Critical Depths in Modified Horseshoe Shaped Conduits" Organized by Academic Proceedings in Engineering Science. |
| 8. | Andal Mudimby, M. Chandrasekhar, G.K.Viswanadh, (2013) "Hydraulic Conductivity of GCL with Bentonite – Silica Fume Matrix" , Journal of Urban and Environmental Engineering, vol.6, n.2, p.109-112, (ISSN 1982-3932). |
| 9. | Srinivasa Prasad, A., N V Umamahesh and G.K.Viswanadh, (2013) "Short-Term Real-Time Reservoir Operation for Irrigation", Journal of Water Resources Planning and Management, ASCE, 139(2), pp 149-158. |

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| 10. | M. Mohan Babu, G.K.Viswanadh & S.Venkateswara Rao, (2013) "Assessment of Saltwater Intrusion Along Coastal Areas of Nellore District, A.P" International Journal of Scientific & Engineering Research (IJSER), Volume 4, Issue 7, (ISSN 2229-5518). |
| 11. | M. Mohan Babu & G.K.Viswanadh, (2013) "Hydrochemical Studies along Coastal Areas of Nellore District, Andhra Pradesh" International Journal of Engineering and Advanced Technology (IJEAT), Volume-2 Issue-5. (ISSN: 2249-8958). |
| 12. | Srinivasa Prasad, A., N V Umamahesh, G.K.Viswanadh and P.Srinivas, (2013) "Optimal annual allocation model of large storage based irrigation project by multi-level approach", ISH journal of Hydraulic Engineering, Taylor and Francis. |
| 13. | Giridhar M.V.S.S, Chandra Bose A.S and G.K.Viswanadh, (2013) "Identification of Suitable Locations for Rooftop Rainwater Harvesting Structures" International Journal of Applied Science and Engineering Research, Volume: 2, Issue:2, , PP: 101-106. (ISSN: 0973-4562). |
| 14. | Sridhar.P, Chandra Bose A.S, Giridhar M.V.S.S and G.K.Viswanadh, (2012) "Prioritization of miniwatershed based on morphometric analysis using GIS" International Journal of Geomatics and Geosciences, Vol 3, No:2, 2012 pp:314-320. (ISSN: 0976-4380). |
| 15. | A.S.Chandra Bose, P.Sridhar, Giridhar M.V.S.S and G.K.Viswanadh (2012) "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). |
| 16. | Andal Mudimby, M.Chandrasekhar, G.K.Viswanadh, (2012) "Sulphate ion Diffusion in Modified Geosynthetic Clay Liners", International Journal of Emerging Technology and Advanced Engineering Website: www.ijetae.co ,ISSN 2250-2459, Volume 2, Issue 7. |
| 17. | A.S. Chandra Bose, G.K.Viswanadh and Giridhar M.V.S.S., (2012) "Applications of Geomatics for Computation of Watershed Parameters", International Journal of Geomatics and Geosciences, Vol.2,No:3, pp:770-786. |
| 18. | Anil.P and G.K.Viswanadh, (2012) "Developing a GIS Model and Identification of rainwater harvesting structures using Geomatic approach - A Case study of Hyderabad" International Journal of Water Resources and environmental Management Volume 3. Number 1, ISSN : 2229-5933. |
| 19. | Andal Mudimby, M.Chandrasekhar, G.K.Viswanadh, (2012) "Diffusion Characteristics of Geosynthetic Clay Liners Amended with Partial Replacement of Bentonite by Flyash", Textiles and Light Industrial Science and Technology, Vo l. 1 Iss. 2, PP. 20-23. |
| 20. | Indira Priyadarsini, Giridhar M.V.S.S, G.K.Viswanadh, Smt. M. Arathi and A.S. Chandra Bose, (2012) "Development of Spatial Analyst toolbar in ArcGIS" International Journal of advances in Remote Sensing and GIS, Vol 1 Issue:1, PP:25-30 (ISSN: 2277-9051). |
| 21. | Sridhar.P, Chandra Bose A.S, Giridhar M.V.S.S and G.K.Viswanadh, (2012) "Prioritization of mini-watershed based on morphometric analysis using GIS" International Journal of Geomatics and Geosciences, Vol 3, No:2, pp:314-320, (ISSN: 0976-4380). |
| 22. | B.J.S.Varaprasad & G.K.Viswanadh, (2012) "A study on Scale formation in Water Distribution Systems" International Journal of Water Resources and Environmental Management (IJWREM) (ISSN 2229-5933), Vol.3,No.1, pp.129-136. |
| 23. | Andal Mudimby, M. Chandrasekhar, G. K. Viswanadh, (2011) "Hydraulic Conductivity of Ameliorated Geosynthetic Clay Liners" EJGE, vol. 16, Bund. O, pp 1362-1368. |
| 24. | B.J.S.Varaprasad & G.K.Viswanadh, (2011) "Investigations on Thickness of Deposits in PVC Pipes" International Journal of Civil Engineering (IJCE) (ISSN 0975-5314) Vol.3,No.1, |

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| | pp.53-61. |
| 25. | B.J.S.Varaprasad & G.K.Viswanadh, (2011) "Artificial Neural Network model for estimation of deposits formation in PVC pipes", International Journal of Neural Networks and Applications(IJNNA) (ISSN 0974-6048), Vol.4,No.2, pp.83-87. |
| 26. | Md. Nazia Firdouse, Giridhar M.V.S.S., S. Durga Bhavani, G.K.Viswanadh and A.S.Chandra Bose, (2011) "Development of Web-GIS Based College Information System", International Journal of Applied Engineering Research Dindigal, Vol.2.No.2, pp:570-577. |
| 27. | P.Sridhar, A.S.Chandra Bose, Giridhar M.V.S.S and G.K.Viswanadh, (2011) "Watershed Delineation and Stream Network analysis using GIS" International Journal of Watershed Engineering (IJWE), Vol.1, Issue 1, PP 1-13. (ISSN: 9999-0015). |
| 28. | Anil P and G.K.Viswanadh, (2011) "Rooftop harvesting A Case study for Rangareddy District A.P" International Journal of Civil Engineering 3(1); pp.25- 32. |
| 29. | Rajkumar V. Raikar, Shiva Reddy M S and G.K.Viswanadh, (2010) "Normal and Critical Depth computations for egg-shaped conduit sections", ELSEVIER Journal of Flow Measurement and Instrumentation, Vol.21, Issue 3, pp.367-372. |
| 30. | Chandra Bose A.S. and G.K.Viswanadh (2009) "Analysis of Meteorological Drought using GIS", International Journal of Environmental Management, Serial Publications, New Delhi. |
| 31. | A.S.Chandra Bose and G.K.Viswanadh, (2009) "Watershed Characterization using RS and GIS", Research Journal of Engineering and Technology. VOL 1, ISSUE 3, ISBN 0974-2824. |
| 32. | Subramanya Kumar and G.K.Viswanadh, (2009) "Application of Fuzzy Logic to Saline Water Intrusion into Coastal Aquifers" Journal of the Defence Engineering College, Debre- Zeit, Ethiopia, pp 39-46, Vol. 4, No.1. |
| 33. | Subramanya Kumar and G.K.Viswanadh, (2009) "Performance Evaluation of Rainfall-Runoff Modeling using Artificial Neural Networks" International Journal of Scientific computing, Vol3, No.2. |
| 34. | Subramanya Kumar and G.K.Viswanadh (2008) "Artificial Neural Network Approach for Reservoir Stage Prediction" International Journal of Applied Mathematical Analysis and Applications, Vol 3, No.1, pp 13- 19. |
| 35. | M. S. Shiva Reddy, and G.K.Viswanadh, (2008) "Hydraulic Exponents for a D-shaped Tunnel Section", International Journal of Applied Engineering Research, Vol. 3, No.8, pp. 1019-1028. |
| 36. | Giridhar.M.V.S.S., G.K.Viswanadh and S.K.C.Acharyulu (2008) "Geomatics applications for landuse land cover at micro level" International Journal of Environment and Development, Vol.5 No.2. |
| 37. | Prasad. A.S., Uma Mahesh.N.V and G.K.Viswanadh, (2008) "Optimal Irrigation Planning Model for an Existing Storage Based Irrigation System in India", International Journal of Irrigation and Drainage, ASCE. |
| 38. | Subramanya Kumar and G.K.Viswanadh (2007) "Fuzzy Computing Technique for Rainfall-Runoff Modeling" International Journal of Computational Intelligence Research & Applications, Vol.1, No.1, pp 23-32. |
| 39. | Subramanya Kumar and G.K.Viswanadh (2007) "Artificial Neural Network Modeling of the Rainfall-Runoff Process" International Journal of Computational Intelligence Research & Applications, Vol.1, No.1, pp 45-50. |

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| 40. | Giridhar.M.V.S.S., and G.K.Viswanadh, (2007) "Development of Semi Distributed Conceptual Rainfall-Runoff Model for a Semi Arid Area", International journal of Tropical Agriculture, Vol 25.no:3-4. |
| 41. | Giridhar. M.V.S.S. and G.K.Viswanadh (2007) "Performance Evaluation of ETo Equations for Palleru Sub Basin of River Krishna, India" J. Current Sciences 10(1):09-18. |
| 42. | Giridhar.M.V.S.S., and G.K.Viswanadh, (2007) "Evaluation of Watershed Parameters using RS and GIS" International journal of Tropical Agriculture, Vol.25. |
| 43. | Giridhar.M.V.S.S., and G.K.Viswanadh, (2007) "Evaluation of radiation based RET equations for Palleru sub basin, A.P., India" International Journal of Computer Science & System Analysis, Vol.1 No.2. |
| 44. | Giridhar. M.V.S.S., and G.K.Viswanadh (2007) "Comparison of Radiation Based Reference Evapotranspiration Equations with FAO-56 Penman Monteith Method" International Journal of Computer Science and System Analysis 1(2), pp. 149-158. (ISSN: 0973-7448). |
| 45. | Prasad. A.S., Umamahesh.N.V and G.K.Viswanadh, (2006) "Optimal Irrigation planning under Water Scarcity", International Journal of Irrigation and Drainage, ASCE, vol. 132, issue 3, pp 228-237. |
| 46. | Subramanya Kumar and G.K.Viswanadh (2006) "Study of Seasonal variation of Saline Water Intrusion into Coastal Aquifers using Fuzzy Logic", Indian Journal of Environmental Protection (An International Monthly Journal), Vol.26, No.2, pp 105-111. |

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| 1. | B.Rajasekhar, G.V.Ramana, M.V.S.S.Giridhar, G.K.Viswanadh, (2013) "Effective water Distribution system using SCADA – A case study of Vijayawada Municipal Corporation , Andhra Pradesh , Technology Spectrum , Vol.6, No.1&2, pp.95-102. |
| 2. | A.S. Chandra Bose G.K.Viswanadh and Giridhar M.V.S.S., (2011) "Development of Fully Distributed Rainfall - Runoff Model (FDRRM) using RS and GIS" Applied Hydrology Journal, JAH XXIV –no3&4, (ISSN : 0971-670X). |
| 3. | B.J.S.Varaprasad & G.K.Viswanadh (2010) "Deposit Formation in Domestically Used PVC Pipes: A Scientific Study" Journal of Indian Water Works AssociationN, Vol.XXXII, Issue.1, pp.33-34 &43-46 (ISSN 0970-275X) |
| 4. | Shiva Reddy M S, G.K.Viswanadh and Aarathi.P (2010) "An Equation for a Normal Depth in a Modified Horse Shoe-Shaped Tunnel Section", Indian Journal of Power and River Valley Development, Kolkata, India. Vol.60, Nos.1&2, pp.21-24. |
| 5. | Shiva Reddy M S, G.K.Viswanadh and Aarathi.P (2010) "An Equation for a Critical Depth in a Modified Horse Shoe-Shaped Tunnel Section", Indian Journal of Power and River Valley Development, Kolkata, India. Vol.60, Nos.3&4, pp.66-70. |
| 6. | Shiva Reddy M S and G.K.Viswanadh (2009) "Equation for a Normal Depth in a D-shaped Tunnel Section" Indian Journal of Power and River Valley Development, Kolkata, India. Vol.59, Nos.1&2, pp.15-18. |
| 7. | Shiva Reddy M S and G.K.Viswanadh (2009) "Equation for a Critical Depth in a D-shaped Tunnel Section" Indian Journal of Power and River Valley Development, Kolkata, India. Vol.59, Nos.3&4, pp.50-53. |

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| 8. | Giridhar. M.V.S.S, and G.K.Viswanadh, (2009) "Runoff Estimation in an Ungauged Watershed using RS and GIS", Journal of Indian Water Works Association, PP:32-49. (ISSN : 0970-275X) |
| 9. | Shiva Reddy M S and G.K.Viswanadh, (2008) "Flow Characteristics of an Indian Standard D-Shaped Tunnel Section", Journal of Hydraulic Engineering, ISH, Pune, Vol. 14, No. 2, pp.36-48. |
| 10. | Giridhar. M.V.S.S, and G.K.Viswanadh, (2008) "Comparison of temperature based reference evapotranspiration equations for Palleru sub basin, A.P., India" Journal of Applied Hydrology, Vol: XXI, No 3 &4, PP: 80-90. (ISSN : 0971-670X) |
| 11. | Shiva Reddy M S and G.K.Viswanadh, (2008) "Uniform and Critical Flow Computations in Circular Conduit", Indian Journal of Power and River Valley Development, Kolkata, India. Vol. 58, Nos.9&10, pp.171-175. |
| 12. | Shiva Reddy M S and G.K.Viswanadh, (2008) "Hydraulic Exponents for an Egg-Shaped Tunnel Section", Indian Journal of Power and River Valley Development", Kolkata, Vol. 58, Nos.7&8, pp.131-137. |
| 13. | Venkat Ramana.G. and G.K.Viswanadh, (2007) "An Integrated approach to estimate Rainfall - Runoff using Conventional Models and GIS modules " Journal of GIS India, Volume 16, No. 7 pp 3-6. |
| 14. | Shiva Reddy M S and G.K.Viswanadh, (2007) "Computation of Hydraulic Exponents for a Circular Conduit", Journal of Indian Water Works Association, Bombay, Vol. 39, No. 4, pp 245-258. |
| 15. | Giridhar. M.V.S.S. and G.K.Viswanadh, (2006) "Semi Distributed Conceptual Rainfall-Runoff Model using GIS" Journal of GIS India, Volume 15, No:8. |
| 16. | Giridhar. M.V.S.S. and G.K.Viswanadh (2006) "Comparison of Class 'A' Pan Co-Efficient Equations" Journal of Applied Hydrology, Vol. XIX, No.4, pp-28-36. |
| 17. | G.K.Viswanadh & Reddy.D.V., (1995) "Conjunctive Use of Groundwater and surface water in Krishna delta for Irrigation", Journal of the Institution of Engineers (India). Civil Engineering division Vol.75. |
| 18. | G.K.Viswanadh and Shiva Reddy M S, (2004) "Equation For A Normal Depth In An Egg-Shaped Tunnel Section", Indian Journal of Power and River Valley Development, Kolkata, India. |
| 19. | G.K.Viswanadh and Shiva Reddy M S, (2005) "Equation For A Critical Depth In An Egg-Shaped Tunnel Section", Indian Journal of Power and River Valley Development, Kolkata, India. |
| 20. | Shiva Reddy. M.S. and G.K.Viswanadh, (2005) "Equation For A Critical Depth In A Circular Tunnel Section" Journal of Indian Water Works Association, Bombay. |
| 21. | Shiva Reddy. M.S. and G.K.Viswanadh, (2006) "Equation For A Normal Depth In A Circular Tunnel Section" Journal of Indian Water Works Association, Bombay. |
| 22. | Shiva Reddy M S and G.K.Viswanadh, (2007) "Flow Characteristics of an Indian Standard Egg-Shaped Tunnel Section", Journal of Hydraulic Engineering, ISH, Pune. |
| 23. | Shiva Reddy M S and G.K.Viswanadh, (2006) "Uniform and Critical Flow Computations in D-Shaped Tunnel Section", Journal of Indian Water Works Association, Bombay, India. |

International conferences:

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| 2. | K. Ashok, K. Rakesh, Ch. Nageshwar Rao and G.K. Viswanadh, (2017) "Integrated approach for Mitigating the effect of Flash floods in Indian Urban setting", Procs. Of the 3 rd International Conference on Environment Management, Organized by JNTUH, Hyderabad, India |
| 3. | Giridhar MVSS and G.K. Viswanadh, (2016) "A Novel Approach to Rainwater Filtration with Geomembrance" Procs. of the EWRI – ASCE congress organized by EWRI and ASCE, West Palm Beach, Florida, USA. |
| 4. | G.K. Viswanadh & M. Mohan Babu, (2015) "Sources Of Extent Of Groundwater Pollution In Shallow Aquifer: A Case Study" Procs. of the International Conference on Innovation in Business, Applied Science, Engineering and E-Technology, New York. |
| 5. | Giridhar M.V.S.S, P.Suneel and G.K.Viswanadh, (2014) "Estimation of Daily Actual Evapotranspiration from Remote Sensing Imagery" Procs. of the International Symposium on Weather Radar and Hydrology-WRAH-2014, Washington, DC, USA. |
| 6. | G.K. Viswanadh & M. Mohan Babu, (2014) "Assessment of sea water intrusion into the coastal aquifers", Procs. of the Third International Conference on Earth Science & Climate Change, organized on the theme "An Insight into the Recent Advancements in Geoscience and Climate Change Control." Earth Science-2014, OMICS group, San Francisco, California, USA. |
| 7. | G.K. Viswanadh & Ramana Rao NV, "Assessment of Groundwater Quality and its Suitability for Irrigation and Drinking Purposes" , Procs. of the Third International Conference on Earth Science & Climate Change, organized on the theme "An Insight into the Recent Advancements in Geoscience and Climate Change Control." Earth Science-2014, OMICS group, San Francisco, California, USA. |
| 8. | M.V.S.S. Giridhar, B. Srinivasa rao, A.S. Chandra Bose and G.K.Viswanadh (2013) "A Geomatic Approach to Drought Analysis" Procs. of the International conference on "Towards geo-enabled economy", organized by India Geospatial Forum , Hyderabad. |
| 9. | G Venkatramana and G.K. Viswanadh, (2013) "Rainfall and runoff process using by Overland Time of Concentration model and GIS Modules" International conference on efficient water management: challenges and opportunities, INDIA WATER WEEK, Organized by Ministry of Water Resources, Govt. of India from at New Delhi. |
| 10. | Chandra Bose A.S, Giridhar M.V.S.S, Venkateswar Rao Ch and G.K.Viswanadh (2013) "Identification of Suitable Locations for Micro Hydro Power Stations using Geo-spatial Technology" Procs. of the World environmental and water resources congress, organized by EWRI , Cincinnati, Ohio,. |

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| 11. | Chandra Bose A.S, Giridhar M.V.S.S and G.K.Viswanadh, (2013) "GIS based fully distributed rainfall-runoff model for suggesting alternate land use patterns" Procs. of the World environmental and water resources congress, organized by EWRI , Cincinnati, Ohio. |
| 12. | A.S.Chandra Bose, P.Sridhar, Giridhar M.V.S.S and G.K.Viswanadh, (2012) "Morphometric Analysis of Miniwatersheds using Geomatics" has been accepted for the presentation at the 14th International Conference on Computing in Civil and Building Engineering in Moscow, Russia. |
| 13. | A.S. Chandra Bose, M.V.S.S.Giridhar, S.Ramulu and G.K.Viswanadh, (2012) "Geomatics for Spatial Analysis of Rainfall" Procs. of 5 th international conference on Water, Climate and environment at Ohrid, Republic of Macedonia. |
| 14. | Giridhar. M.V.S.S.,Nageswra Rao U and G.K.Viswanadh (2012) "Spatial Decision Support System for Ground Water quality Management at Village Level using Geomatics" Procs. of <i>International Conference on Environmentally Sustainable Urban Ecosystems (ENSURE-2012)</i> , organized by Department of Civil Engineering, Indian Institute of Technology Guwahati, Guwahati, Assam, INDIA. |
| 15. | A.S.Chandra Bose, G.K.Viswanadh, M.V.S.S.Giridhar and P.Sridhar, (2012) "Assessment of Land Use Land Cover Changes in Middle Godavari (G-5) Sub Basin of River Godavari using RS and GIS" Procs. of <i>XIX International Conference on Water Resources</i> , CMWR 2012, University of Illinois at Urbana-Champaign. |
| 16. | Giridhar M.V.S.S, Chandra Bose A.S and G.K.Viswanadh, (2012) "Application of Micro Air Vehicle Technology for Crop Management Studies" Procs. of the International conference on recent advances in design, development and operation of micro air vehicle, organized by JNTUH, Hyderabad. |
| 17. | M.V.S.S. Giridhar, A.S. Chandra Bose and G.K.Viswanadh, (2012) "Water crisis management under changing climate" National conference organised by Googly centre for Biological research. |
| 18. | M.V.S.S. Giridhar, G.K.Viswanadh, A.S. Chandra Bose and V. Lalitha, (2011) "Spatial Analysis of Groundwater Quality Parameters using GIS" Paper sent for possible publication in the international conference organized by IASTED. |
| 19. | Srinivasa Prasad, A., and G.K.Viswanadh, (2010) "Reservoir Inflow Forecasting by Artificial Neural Networks", National conference on Mathematical Modelling in Engineering & Technology organized by Stanley College of Engineering & Technology, Hyderabad. |
| 20. | Giridhar.M.V.S.S.,S.K.C.Acharyulu., and G.K. Viswanadh, (2010) "Preparation of 3D Surface and Land use/land cover maps- A Geomatic Approach" Proc. of the international conference on Hydrology and Watershed Management (ICHWAM-2010) organized by Centre for water resources, Jawaharlal Nehru Technological University, Hyderabad, 1031-1036. |

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| 21. | A.S.Chandra Bose, Giridhar.M.V.S.S., and G.K. Viswanadh, (2010) "Land Use Land Cover Classification – A Geomatic Approach" Procs. of the 31 st International Conference on Remote Sensing, ACRS-2010, Hanoi, Vietnam, TS20-1. |
| 22. | A.S.Chandra Bose, Giridhar.M.V.S.S., and G.K. Viswanadh, (2010) "Identification of Ground Water Potential Zones using RS and GIS" Proc. Of the international conference on Remote Sensing, ACRS-2010, Hanoi, Vietnam, TS10-4. |
| 23. | Giridhar MVSS and G.K. Viswanadh, (2009) "An International Perspective on Environmental and Water Resources" EWRI-AIT International Conference organised by AIT, Bangkok, Thailand. |
| 24. | Giridhar.M.V.S.S.,Satyanarayana B. and G.K. Viswanadh, (2008) "Mapping of evapotranspiration Zones in India using GIS" Procs. of the international conference organized by ASCE, at Long Beach, California, USA. |
| 25. | Giridhar.M.V.S.S and G.K. Viswanadh, (2008) "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 organized by EWRI and ASCE at Honolulu, Hawaii, USA. |
| 26. | Giridhar.M.V.S.S and G.K. Viswanadh, (2008) "Evaluation of Daily Reference Evapotranspiration Using Minimum Data" Procs. of the international conference organized by EWRI and ASCE , Honolulu, Hawaii, USA. |
| 27. | Giridhar.M.V.S.S., and G.K. Viswanadh, (2007) "Semi Distributed Runoff Model for a Semi Arid Area of Andhra Pradesh - A Geomatic Approach" Procs. of the international conference organized by IASTED, , Honolulu, Hawaii, USA, PP: 85-90. |
| 28. | Giridhar.M.V.S.S., and G.K. Viswanadh, (2007) "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. |
| 29. | Y. Arunakar Reddy and G.K. Viswanadh, (2007) "Rational Methods of Flood Control", Procs. of the International Conference on Natural Hazards and Disaster Management" CBIT Hyderabad. |
| 30. | Venkat Ramana.G., G.K.Viswanadh, and Goutham. N.C., (2006) " <i>Optimum Utilization Subsurface and Ground Water in the Command area by using RS & GIS</i> " Procs of the International Conference on Ground Water, organized by JNU, New Delhi. |
| 31. | G Venkatramana and G.K. Viswanadh, (2006) "Elaborating the Landscape methodologies using Remote Sensing & Geographical Information Systems" Procs. of the International Conference organized by National Institute of Rural Development (NIRD), Hyderabad. |
| 32. | Giridhar.M.V.S.S. and G.K.Viswanadh, (2006) " <i>Comparison of reference evapotranspiration equations in Andhra Pradesh, India</i> "Proc. of International conference, conducted by EWRI-ASCE, Omaha, Nebraska, USA. |

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| 33. | Giridhar. M.V.S.S. and G.K.Viswanadh, (2006) <i>"Meteorological Drought Analysis in a K-11 Basin of River Krishna Using GIS, India"</i> Procs. of the International conference on Geomatics for rural development – Achieving synergy between technical and social systems, JNTU, Hyderabad. |
| 34. | Giridhar. M.V.S.S. and G.K.Viswanadh, (2006) <i>"Meteorological Drought Analysis Using GIS,"</i> Procs of the International conference on Geomatics for rural development – Achieving synergy between technical and social systems JNTU, Hyderabad. |
| 35. | Giridhar. M.V.S.S. and G.K.Viswanadh, (2006) <i>"Evaluation of land use land cover changes in Palleru (K-11) sub basin of river Krishna using GIS and NDVI"</i> Procs. of the International conference ICHWAM-2006, JNTU, Hyderabad. |
| 36. | Venkat Ramana.G, G.K. Viswanadh and Goutham N.C., (2006) <i>"Integrated approach to watershed management using RS and GIS modules"</i> Procs of International conference ICHWAM-2006, JNTU, Hyderabad. |
| 37. | G.K.Viswanadh and A.S.Chandra Bose., (2006) <i>"Fully Distributed Rainfall-Run off Models- A Review"</i> , Procs. of 2nd International Conference on Hydrology and Watershed Management organized by CWR IST JNTUH Vol.1, pp.297-304. |
| 38. | G Venkatramana and G.K. Viswanadh, (2006) <i>"Optimum utilization of subsurface and ground water in the command areas by using Remote Sensing/ Geographical Information System modules"</i> Procs. of the International Conference on Ground Water. |
| 39. | G.K.Viswanadh. and Chandra Bose A.S., (2006) <i>"Fully Distributed Rainfall - Runoff Models - A Review"</i> procs. of the International conference ICHWAM-2006, JNTU, Hyderabad. |
| 40. | Y. Arunakar Reddy and G.K. Viswanadh, (2006) <i>"Farm Irrigation Scheduling of Kharif Groundnut Crop in Musi Project"</i> , Procs of the International Conference on Hydrology and Watershed Management, J N T U Hyderabad, pp. 946 to 957. |
| 41. | Srinivasa Prasad. A, N.V. Umamahesh & G.K. Viswanadh, (2006) <i>"An LP model for optimal Reservoir Operation for Gundlakamma Reservoir Project"</i> Procs. of International Conference on "Hydrology and Watershed Management" Centre for Water Resources, JNTU, Hyderabad. |
| 42. | Srinivasa Prasad, A., N V Umamahesh and G.K.Viswanadh, (2006) <i>"An LP Fortnightwise Reservoir operational Model for Gundlakamma Reservoir Project"</i> , Procs. of the International conference on Hydrology and Watershed Management organized by Centre for Water Resources, JNTU, Hyderabad. |
| 43. | Giridhar. M.V.S.S. and G.K.Viswanadh, (2006) <i>"Evaluation of land use land cover changes in a sub basin of river Krishna using GIS and NDVI"</i> Procs. of the International conference ICHWAM-2006, JNTU, Hyderabad. |
| 44. | Subramanya Kumar and G.K.Viswanadh, (2006) <i>"Performance of Artificial Neural Networks in Rainfall-Runoff Modeling"</i> Procs of the International Conference on "Hydrology and Watershed Management (ICHWAM-2006) with a focal theme on |

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| | Improving Water Productivity in the Agriculture, (Vol.1, pp: 365- 370) JNTU, Hyderabad. |
| 45. | G.K.Viswanadh, P.Kanaka Durga and Giridhar. M.V.S.S., (2006) <i>"Estimation of Crop Reference Evapotranspiration by Developing a Software–Application to a Sub Basin of River Krishna, India"</i> Procs. of the International Conference of American Society of Civil Engineers (ASCE), organized by IIT, Kanpur. |
| 46. | Ashok.G., Jagan Mohan Rao. G and G.K.Viswanadh, (2005) <i>"Flood Forecasting using GIS-A case Study Application to a Vaigai Sub basin, Tamil Nadu, India"</i> Procs of International conference on Tsunami studies on Water Resources Engineering, Organized by IIT, Roorkee & Jodhpur University, Kolkata. |
| 47. | Giridhar. M.V.S.S. and G.K.Viswanadh, (2005) <i>"Estimating of Reference Evapotranspiration for an Irrigation Project Site in Andhra Pradesh, India"</i> Procs of International Conference Environmental Management (ICEM-2005), JNTU, Hyderabad. |
| 48. | G Venkatramana and G.K. Viswanadh, (2005) " Identification of delineation of salt affected and water logging zones in command areas by using Remote Sensing/Geographical Information System Techniques", International Conference on Environmental Management (ICEM-2005). |
| 49. | Venkat Ramana.G., G.K.Viswanadh, and Goutham. N.C., (2005) <i>"Identification of Delineation of Salt Effected & Water Logging Zones in Command Areas by Using RS & GIS"</i> , Procs of the International Conference on Environmental Management, JNTU, Hyderabad. |
| 50. | Srinivasa Prasad, A., N V Umamahesh and G.K.Viswanadh, (2005) <i>"Optimum Weekly Irrigation Planning Model for an existing storage based irrigation system in India"</i> , Procs. of the International symposium on Recent Advances in Water Resources Development and Management organized at IIT, Roorkee. |
| 51. | Giridhar. M.V.S.S. and G.K.Viswanadh, (2005) <i>"Estimation of Reference Evapotranspiration for an Irrigation Project Site in Andhra Pradesh, India"</i> Procs of International Conference Environmental Management (ICEM-2005), JNTU, Hyderabad. |
| 52. | G.K. Viswanadh, Mohd Ali Md. and Giridhar M.V.S.S, (2004) <i>"Land use / Land cover changes in Dharmabad Watershed"</i> Procs. of the international conference on Advanced modeling techniques for sustainable management of water resources, organized by NIT, warangal,A.P,India. |
| 53. | G.K. Viswanadh, Vidyadhar M. and Giridhar M.V.S.S, (2004) <i>"Rain fall Analysis in Ranga Reddy District"</i> Procs. of the international conference on Advanced modeling techniques for sustainable management of water resources, organized by NIT,warangal,A.P,India. |
| 54. | Subramanya Kumar and G.K.Viswanadh, (2004) <i>"Rainfall Runoff Modelling for Osman Sagar Catchment using Artificial Neural Networks"</i> Procs of International Conference on <i>"Advanced Modelling Techniques for Sustainable Management of Water Resources"</i> organised by National Institute of Technology, Warangal. |

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| 55. | Subramanya Kumar and G.K.Viswanadh, (2004) "A Case Study on Evaluation of Water Quality for Lakes by Pollution Index Method" procs of International Conference on "Advanced Modelling Techniques for Sustainable Management of Water Resources" organised by National Institute of Technology, Warangal. |
| 56. | G.K.Viswanadh, and Sanjeeva D., (2002) "Rainfall Prediction Through Auto Regressive Model", Procs. of the international conference on Hydrology and Watershed Management organized by Jawaharlal Nehru Technological University, Hyderabad. |
| 57. | Kaleshvali and G.K.Viswanadh, (2002) "Integrated Watershed Management", Procs of the international conference on Hydrology and Watershed Management organized by Jawaharlal Nehru Technological University, Hyderabad. |
| 58. | G.K. Viswanadh & Reddy DV, (1997) "Optimal water management strategies for scanty surface supplies in a coastal region" Procs. of the IX world water congress of IWRA, Canada. |

National Conferences:

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| 1. | M. Visweswara Rao and GK Viswanadh, (2017) "Effect of a new upstream reservoir on pattern of downstream flows - Need to revise the crop calendar of downstream project", Procs. of the 4 th national conference on Water, Environment and society organised by JNTU, Hyderabad. |
| 2. | GK Viswanadh, (2017) "Effective water-conservation practices for Sustainable water resources Management", procs. of the seminar on Sustainable Water Management, organised by the Institution of Engineers (India), Telangana State center, Hyderabad. |
| 3. | Kalavathy S., M.V.S.S. Giridhar and G.K. Viswanadh (2017) "A Jar Test Study on the use of Alum and Ferric Chloride for Turbidity Removal" Procs. of the 4 th national conference on Water, Environment and society organised by JNTU, Hyderabad. |
| 4. | G.K. Viswanadh (2017) "Decision Support System for Integrated Water Resources Management" Procs. of the national conference on Sustainable Water, and Environmental Management (SWEM-2017) organised by CWR, JNTUH, Hyderabad Page No.142. |
| 5. | M. Visweswara Rao, G.K. Viswanadh and E. Saibaba Reddy (2017) "Estimation of Life of Reservoir Under the Conditions of Non Availability of Sediment Surveys" Procs. of the national conference on Sustainable Water, and Environmental Management (SWEM-2017) organised by CWR, JNTUH, Hyderabad, Page No.347. |
| 6. | S. Venkat Charyulu, G.K. Viswanadh and M.V.S.S. Giridhar (2017) "Effective Rainwater Harvesting by GIS Analysis in GRIET Campus" Procs. of the national conference on Sustainable Water, and Environmental Management (SWEM-2017) organised by CWR, JNTUH, Hyderabad, Page No.528. |
| 7. | V. Phani Madhava and G.K. Viswanadh (2017) "Optimal Control of Water Distribution at DAMS & Reservoirs Using Scada & Telemetry" Procs. of the national conference on Sustainable Water, and Environmental Management (SWEM-2017) organised by CWR, JNTUH, Hyderabad, Page No.573. |

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| 8. | K. Ashok, K. Rakesh, CH. Nagaeshwar Rao and G.K. Viswanadh (2017)“Urban Water Management in Indian Cities – An Integrated Approach” Procs. of the national conference on Sustainable Water, and Environmental Management (SWEM-2017) organised by CWR, JNTUH, Hyderabad, Page No.573. |
| 9. | G Venkatramana and G K Viswanadh (2013) “Effective water distribution using SCADA (Supervisory Control And Data Acquisition)”. Procs. of the National conference on Sustainable water Resources Planning, management and impact of climate change, organized by Centre of Excellence in water resources management, BITS PILANI, Hyderabad Campus. |
| 10. | M.V.S.S. Giridhar, A.S. Chandra Bose and G.K.Viswanadh, (2012) “Water crisis management under changing climate” organised by Googly centre for Biological research. |
| 11. | Giridhar M.V.S.S., A.S. Chandra Bose and G.K.Viswanadh (2012) “A Geomatic Approach to Rooftop Rainwater Harvesting in Urban Scenario” National Conference on water crisis management under changing climate organized by Guggly center for Biological research,pp:1&2. |
| 12. | G.K.Viswanadh, A.S. Chandra Bose and Giridhar M.V.S.S. (2011) “Faculty development in Technical Educational Institutions - an Overview”, Human Values in Technical Education: an approach for holistic development of society, Organized by Ujjain engineering College and Shiksha Sanskrit Udhan Nivas, New Delhi. |
| 13. | Srinivasa Prasad. A, N.V. Umamahesh & G.K. Viswanadh, (2010) “Minimum cost design of looped pipe network” Procs. of the National conference on Recent Advances in Fluid Mechanics & Solid Mechanics organized by NIT, Rourkela. |
| 14. | M.V.S.S.Giridhar, A.S.Chandra Bose, V.Lalitha, G.K.Viswanadh and S.K.C.Acharylu, (2010) “Study of Spatial Distribution of Groundwater Quality Parameters in GIS environment ", Proc. of National workshop on ‘Application of remote sensing and GIS in water resources management’ pp. 93-100. |
| 15. | Subramanya Kumar and Viswanadh GK (2010) “Performance Evaluation of Rainfall-Runoff Modeling using Levenberg- Marquardt algorithm” procs. of the National Conference on “Sustainable Water Resources Management and Impact of Climate change” organized by BITS, Pilani, Hyderabad campus. |
| 16. | A.S.Chandra Bose, M.V.S.S.Giridhar and G.K.Viswanadh, (2010) “Spatial analysis of rainfall from G-5 sub basin of River Godavari basin in GIS environment”, Proc. of National workshop on ‘Application of Remote sensing and GIS in water resources management’ pp.83-92. |
| 17. | Srinivasa Prasad, A., and G K Viswanadh, (2010) “Simulation of water surface profile in Periyar Main canal”, National conference on Recent Advances in Fluid Mechanics & Solid Mechanics conducted by NIT, Rourkela,. |
| 18. | Srinivasa Prasad, A., and G K Viswanadh, (2010) “Least cost design of looped pipe network”, National conference on Recent Advances in Fluid Mechanics & Solid Mechanics conducted by NIT, Rourkela. |
| 19. | Srinivasa Prasad, A., N V Umamahesh and G K Viswanadh, (2010) “Optimal Annual Allocation Model for Nagarjuna Sagar Project by Multilevel Approach”, National |

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