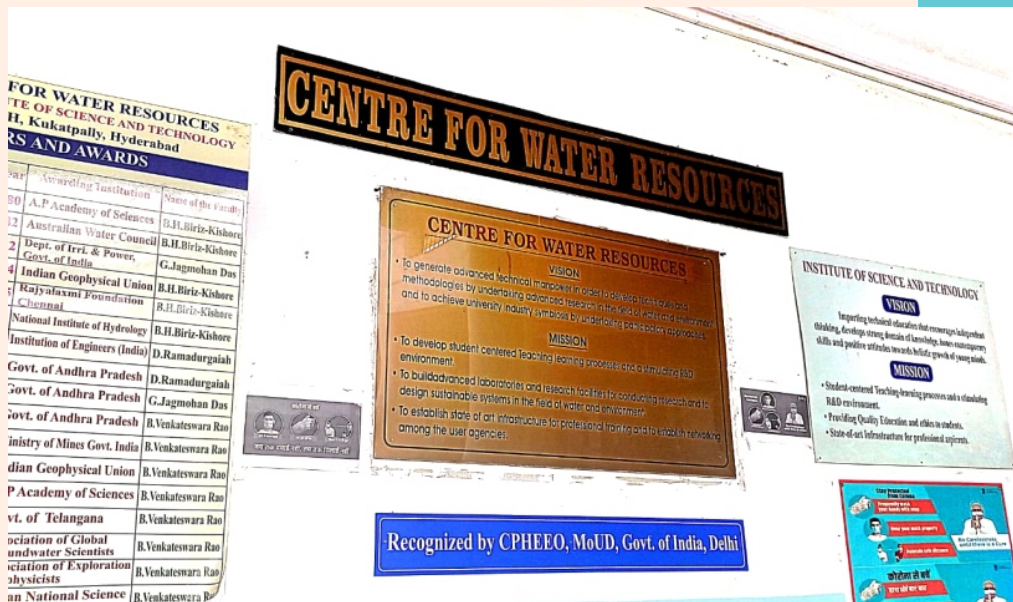




# NEWSLETTER 2017-18

## CENTRE FOR WATER RESOURCES, IST, JNTUH



**Dr.A.Jaya Shree**  
Director, Institute of Science and Technology, JNTUH



**Dr.C.Sarala**  
Head of the Department

The Centre for Water Resources (CWR) which forms a part of the Institute of Science and Technology, JNT University, Hyderabad was established in the year 1984 with the funding from the then Ministry of Education and Culture, Government of India to impart training in the management of water resources at an advanced level and to undertake research and development activities in the field of water, land and environmental management and other related areas. Since then the Centre has acquired a reputation among user agencies like state and Central Government Departments and other public sector and private organizations as an apex body for imparting Education, training and undertaking field oriented research projects in water, land and environmental management. Over the years the activities of the Centre has been greatly diversified and has concentrated on water, land and environment for sustainable development with networking from National and International Organization Central public Health and Environmental Engineering Organization has recognized this Centre as one of the renowned institute offering P.G. courses in water and environment. The Centre is funded by the World Bank under Technical Education Quality improvements program me (TEQIP) and established well-equipped laboratories. Research and Consultancy projects were taken up in many areas of water resources and environment at National and International levels. Many National and International conferences were also conducted by the Centre notable among them is ICHWAM (International Conference on Hydrology and Watershed Management) series which is being conducted for every four years.

## Vision

To generate advanced technical man power in order to develop techniques and methodologies by undertaking advanced research in the field of water and environment and to achieve university symbiosis by undertaking participatory approaches.

## Mission





- Student centered Teaching learning processes and a stimulating R&D environment.
- To build advanced laboratories for conducting research and to design sustainable systems for water and environment.
- To establish state of art infrastructure for professional training and to establish networking among the user agencies.

## Program Educational Objectives (PEOs)

- PEO1:** To prepare the students as one of the problems solving engineers/technologists in water, land and environmental fields.
- PEO2:** To generate technical man power at advanced level to maintain and manage the existing infrastructure of water, land and environment of the nation.
- PEO3:** To impart technical training to the students that empowers them to withstand changing technological environment in order to cope with the natural climate change and environment.
- PEO4:** To develop the students' personality in such a manner that they become responsible citizens in the society.

## CWR, IST, JNTUH Staff

### Teaching Staff:

<p><b>Dr. B.Venkateswara Rao</b> Professor of Water Resources Working since 1989 Specialized in Groundwater Hydrology &amp; Watershed Management</p>	
<p><b>Dr.K.Ramamohan Reddy</b> Professor of Water Resources Working since 2000 Specialized in Surface Water Hydrology and Hydraulics</p>	
<p><b>Dr.C.Sarala</b> Professor of Water Resources Working since 2000 Specialized in Water and Waste Water Treatment Technologies</p>	
<p><b>Dr. M.V.S.S. Giridhar</b> Professor of Water Resources Working since 2006 Specialized in RS &amp; GIS applications, Rainfall-runoff modeling, Rain water harvesting</p>	

### Technical Staff:

1. Smt.N.Anitha
2. Mrs.M.Umasri
3. Sri.P.Naresh
4. Smt.K.Chandrakala

### Full Time Research Scholars

Mrs.P.Sowmya	2014-2020
Mr. V.Narasaiah	2014
Mrs.G.Hepsi Swarupa Rani	2014

### Patents Filed

#### Dr. M.V.S.S. Giridhar

1. 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.  
Published in gazette dated 15/01/2016
2. A Patent Titled “Application of Geo Membrane Sheet in the Rain Water Harvesting Structures” with application number 640/CHE/2015.  
Published in gazette dated 24/04/2015

### Ongoing Research Projects

#### Dr. M.V.S.S. Giridhar

Validation of hyper-spectral remote sensing based drought assessment through water balance and geomatic approach

Funded by : AICTE, RPS, New Delhi, Duration: Three years (2014-2017), Amount sanctioned: 10.91 Lakhs

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

Funded by : TSCOST, Duration: One year (2017-2018), Amount sanctioned: 8.50 Lakhs

Drinking water Augmentation to SC communities in fluoride effected area of Nalgonda district through rain water Conservation

Funded by : NRDMS, DST, New Delhi, Duration: Two years (2016-2018), Amount sanctioned: 5.52 Lakhs

Technical report on augmentation of groundwater through rainwater/surface runoff harvesting scheme in estate & factory area at Ordnance Factory Medak

Funded by : Ordnance Factory, Duration: One year (2017-2018), Amount sanctioned: 11.75 Lakhs

Demonstration and Education of best practices in Rainwater Conservation in Fluoride affected areas

Funded by : Eco wash, Duration: Two years (2017-2019), Amount sanctioned: 6.65 Lakhs

#### Dr. B. Venkateswara Rao

UGC Innovative programme for the M.Sc (satellite meteorology & weather informatics)

Funded by : University Grants Commission, Duration: Five years (2012-2017), Amount sanctioned: 53.3 Lakhs

Application of Deep 3D Resistivity Imaging at pairs of success and failed wells to characterize the aquifers in granitic and basaltic terrain

Funded by : Technical Education Quality Improvement Programme Phase-II, Duration: One year (2016-2017), Amount sanctioned: 4.8 Lakhs

## **Books published**

### **Dr. M.V.S.S. Giridhar (2017)**

- Proceedings of Fourth National conference on Water, Environment and Society organized by CWR, IST, JNTUH on 16<sup>th</sup> – 18<sup>th</sup> March 2017, BS Publications, *ISBN: 978-93-5230-182-9*.
- 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.
- Book chapter in Elsevier publications with the chapter title An Environmentally Sound Approach for Sustainable Rainwater Harvesting

## **Conferences/Seminars/Workshops Organized**

1. Fourth National conference on Water, Environment and Society (NCWES)  
**Convener:** Dr. M.V.S.S. Giridhar  
**Dates:** 16<sup>th</sup> -18<sup>th</sup> March 2017
2. Applications of Geomatics for Disaster Management (AGDM-2017)-Training Programme  
**Convener:** Dr. M.V.S.S. Giridhar  
**Dates:** 13<sup>th</sup> to 15<sup>th</sup> November 2017
3. National Conference on Sustainable Water and Environmental Management  
**Convener:** Dr. M.V.S.S. Giridhar  
**Dates:** 21<sup>st</sup> to 23<sup>rd</sup> December 2017

## **Guest Lectures delivered in various organizations**

### **Dr. M.V.S.S. Giridhar**

#### **“Water Conservation, Rain Water Harvesting”**

- Delivered in “Orientation Programme under AMRUT Capsule – 2 for Public Health Engineers
- Venue: ESCI campus, Hyderabad for Public Health Engineers of, Govt. of Andhra Pradesh
- 27-29 June, 2017

#### **“Water Audit”**

- Delivered in “Orientation Programme under AMRUT Capsule – 2 for Public Health Engineers
- Venue: ESCI campus, Hyderabad for Public Health Engineers of, Govt. of Andhra Pradesh
- 27-29 June, 2017

#### **“Water Conservation, Rain Water Harvesting”**

- Delivered in “Orientation Programme under AMRUT Capsule – 2 for Public Health Engineers
- Venue: ESCI campus, Hyderabad for Public Health Engineers of, Govt. of Andhra Pradesh
- 27-29 June, 2017

#### **“Water Quality Assessment”**

- Delivered in 3 Day Training Programme on “Water Pollution Monitoring and Modeling using Software Applications – Theory and Hands-on Practice (in compliance with MoEF & CC Guidelines)”
- Venue: ESCI campus, Hyderabad
- 06 – 08 June, 2017

#### **“Water Conservation and Water Audit”**

- Delivered in 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
- Venue: ESCI campus, Hyderabad
- 23 - 25 May, 2017

#### **" Rain Water harvesting in the Urban Scenario”**

- Delivered in the seminar on " Sustainable Water Management" on the occasion of General Sir Arthur Thomas Cotton
- 15<sup>th</sup> May, 2017

## Dr. B. Venkateswara Rao

### “Disasters-Mitigation Of Floods And Urban Drainage Issues”

- Venue: Institution of Engineers, Telangana State
- January, 2017

### “Groundwater crisis in the peninsular India”

- Venue: Institution of Engineers, Telangana State
- April, 2017

### “Groundwater Monitoring, Planning, Recharge and Sustainable Use: Village Level Participatory Approaches and Tools”

- Venue: Western Sydney University, Australia
- May, 2017

### “Groundwater exploration in hard rocks”

- Venue: GSI training institute Hyderabad
- August, 2017

### “Ground Water My View”

- Venue: International Groundwater Conference
- December, 2017

## **Research Papers Published in Journals**

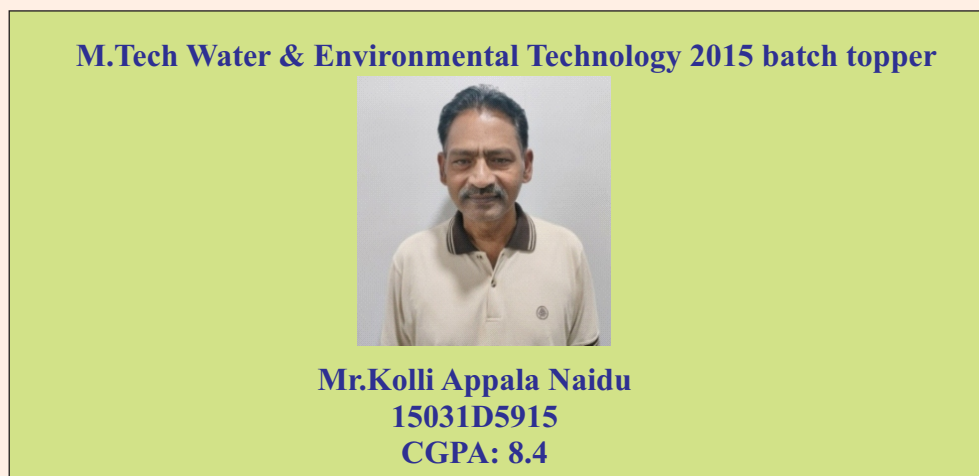
- **P. Sowmya, M.V. S. S. Giridhar, (2017)**, “Analysis Of Continuum Removed Hyper Spectral Reflectance Data Of Capsicum Annum Of Ground Truth Data”, International Journal Of Advances In Computational Sciences And Technology (ASCT), ISSN 0973-6107 Volume 10, Number 8, pp. 2233-2241.
- **Giridhar M.V.S.S, 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.
- **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.
- **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.
- **Siva Prasad, Y. and Venkateswara Rao, B.**, “Groundwater Depletion and Groundwater Balance Studies of Kandivalasa River Sub Basin, Vizianagaram District, Andhra Pradesh, India”, Groundwater for Sustainable Development 6 71-78.
- **Siva Prasad, Y. and Venkateswara Rao, B.**, “Geohydrological Investigations of a Typical Khondalitic Terrain of Vizianagaram District of Andhra Pradesh, India”, accepted for the publication in the ‘Journal of Groundwater for Sustainable Development’ of Elsevier Publications.
- **Deepthi, P., Sharath Kumar, P., Sarala, C., Mukkanti, K.**, “Cucurbita Pepo as a Coagulant Aid for Copper Removal” International Journal of Engineering Research & Technology, Vol.6, Issue 09, September 2017, pp.33-36, ISSN: 2278-0181. Impact Factor : 7.86.
- **Hanumantha Rao V., Rao A.V.L.N., Vasudeva Rao V., Baleeshwar Reddy A., and Sarala, C.**, “GIS Approach to Mapping plant diversity at the proposed Peddagattu uranium mining site, Telangana, India”, Ecology, Environment and Conservation International Journal, [Vol 23, Sept. Suppl. Issue](#), pp: S26-S31, ISSN 0971-765X, SCOPUS - H Index – 15 UGC , approved journal. Impact factor - 0.45.

## Research Papers Published in Conferences

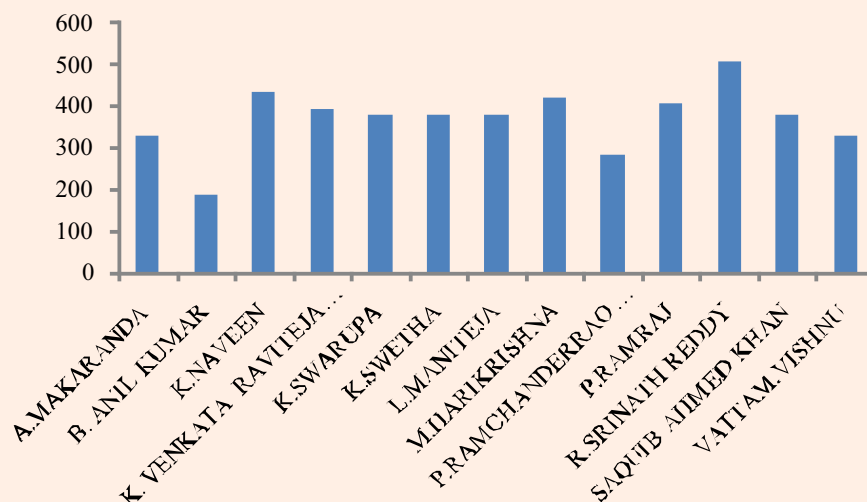
- **Veeramallu Satya Sahithi, M V S S Giridhar, G. Ravi Shankar, I V Murali Krishna.**, “Investigating The Effect Of Size Of The Training Sample On Mlc, Svm, Ann And Sam Algorithms On Hyperion Data For Luc Classification” National Conference on Water Environment and Society 2017,(NCWES-2017) organized during 16<sup>th</sup>-18<sup>th</sup> march 2017 in centre for water resources, IST, JNTUH. pp 492.
- **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 16<sup>th</sup>-18<sup>th</sup> march 2017 in centre for water resources, IST, JNTUH, pp 355.
- **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 16<sup>th</sup>-18<sup>th</sup> march 2017 in centre for water resources, IST, JNTUH pp 322.
- **P.Sowmya and M.V.S.S. Giridhar.** “Extemporizing Spectral Signatures Using Spectroradiometer For Different Species Of Family Graminaeae” National Conference on Water Environment and Society 2017, (NCWES-2017) organized during 16<sup>th</sup>-18<sup>th</sup> march 2017 in centre for water resources, IST, JNTUH, pp 376.
- **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 16<sup>th</sup>-18<sup>th</sup> march 2017 in centre for water resources, IST, JNTUH, pp 56.
- **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 16<sup>th</sup>-18<sup>th</sup> march 2017 in centre for water resources, IST, JNTUH, pp 333
- **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 16<sup>th</sup>-18<sup>th</sup> march 2017 in centre for water resources, IST, JNTUH, pp 339.
- **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 16<sup>th</sup>-18<sup>th</sup> march 2017 in centre for water resources, IST, JNTUH, pp 540.
- **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 16<sup>th</sup>-18<sup>th</sup> march 2017 in centre for water resources, IST, JNTUH, pp 383.
- **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 16<sup>th</sup>-18<sup>th</sup> march 2017 in centre for water resources, IST, JNTUH pp 388.
- **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 16<sup>th</sup>-18<sup>th</sup> march 2017 in centre for water resources, IST, JNTUH, pp 392.
- **M.V.S.S.Giridhar,** “Rain water harvesting, use and artificial recharge in urban Scenario”, Seminar On Sustainable Water Management, on the occasion of 215<sup>th</sup> Birthday Celebrations Of General Sir Arthur Thomas Cotton, organized by The Institution of Engineers (IEI), 15<sup>th</sup> May 2017 Hyderabad, pp 14-22.
- **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 21<sup>st</sup> to 23<sup>rd</sup> December 2017 in centre for water resources, IST, JNTUH, pp 359 - 367.
- **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 21<sup>st</sup> to 23<sup>rd</sup> December 2017 in centre for water resources, IST, JNTUH, pp 392-397.

- **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 21<sup>st</sup> to 23<sup>rd</sup> December 2017 in centre for water resources, IST, JNTUH, pp 398-406.
- **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 21<sup>st</sup> to 23<sup>rd</sup> December 2017 in centre for water resources, IST, JNTUH, pp 422-428.
- **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 21<sup>st</sup> to 23<sup>rd</sup> December 2017 in centre for water resources, IST, JNTUH, pp 439-444.
- **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 21<sup>st</sup> to 23<sup>rd</sup> December 2017 in centre for water resources, IST, JNTUH, pp 445-459.
- **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 21<sup>st</sup> to 23<sup>rd</sup> December 2017 in centre for water resources, IST, JNTUH, pp 532-541.
- **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 21<sup>st</sup> to 23<sup>rd</sup> December 2017 in centre for water resources, IST, JNTUH, pp 567-578.
- **Venkateswara Rao, B.** “Surface Water and Ground Water Dynamics of an Hard Rock Aquifer” Procs. of the International Groundwater Conference (IGWC - 2017) pp. 234.
- **Siva Prasad, Y and Venkateswara Rao, B.** “Groundwater flow model in a typical Khondalitic aquifers” Procs. of the International Groundwater Conference (IGWC - 2017) pp. 217.
- **Venkateswara Rao B.** “Hydrogeological and Geophysical Charecteristics of Northern parts of Eastern Ghats Khondalitic Aquifers” Proceedings of the National seminar on Challenges and opportunities for sustainable development of mineral and fossil energy resources organized by Department of Geology Andhra University pp. 25-34.
- **Lakshminarayana, P and Venkateswara Rao B.** “Flood Prognostics of Yerrakalava River Basin Using HEC-HMS Event Model”, Procs. of the All India Seminar on “Disasters-Mitigation of Floods and Urban Drainage Issues”, conducted by Institutes of Engineers, Telangana State, pp 3.
- **Venkateswara Rao B.** “Groundwater Exploration in Hard Rocks” ‘Proceedings of AGGS Brain Storming Session’ on understanding the groundwater flow regime in hard rock region due to variable climate and drought conditions held at Dindigul, Tamilnadu pp. 21-32.
- **Venkateswara Rao B.** “Climate Change, its Impact on Water Resources and Mitigation Measures in the Peninsular India” proceedings of the workshop on current trends and sustainable management options in water sector, Telangana State organized by Central Ground Water Board pp. 41-42.
- **Ramamohan Reddy K.,** “Impact of Brewery Wastewater on Soil Properties and on the Growth and Yield of Tomato” Procs. Of the 3rd International Conference on Environmental Management 2017 on Nov, 2017, ISBN: 978-93-86819-50-5.
- **Ramamohan Reddy K.,** “Water Resources Management for Sustainable Agriculture” Procs. Of the 3rd International Conference on Environmental Management 2017 on Nov, 2017, ISBN: 978-93-86819-50-5.
- **Durga Srilakshmi Hari, Ramamohan Reddy K., N.S.R.Prasad,** “Flood Monitoring using Water Mask Technique and Supervised Classification” Procs. Of the 3rd International Conference on Environmental Management 2017 on Nov, 2017, ISBN: 978-93-86819-50-5.
- **D Hari, KR Reddy, K Vikas, N Srinivas, G Vikas,** “Assessment of rainwater harvesting potential using GIS” IOP Conference Series: Materials Science and Engineering 330 (1), 012119, doi:10.1088/1757-899X/330/1/012119.

- **Patode R.S., Nagdeve M.B., Ramamohan Reddy K. and Ganvir M.M.**, “Strategies for Development and Management of Water Resources in Rainfed Area” Procs. of 4<sup>th</sup> National Conference on Water, Environment & Society, JNTUH, Hyderabad, India. pp. 31-35.
- **Patode R.S., Nagdeve M.B., Ramamohan Reddy K. and Mohod V.D.**, “Water resources management in rainfed area through on-farm practices” Abstracts Volume of National Conference on Agro-Processing Based Entrepreneurship Development for Sustainable Livelihood” held during February 22-23, 2017 pp. 214.
- **Patode R.S., Nagdeve M.B., Ramamohan Reddy K. and Ganvir M.M.**, “Water Resources Development under Climate Change Scenario” Procs. of 3<sup>rd</sup> National Conference on Water, Environment & Society (NCWES-2017), JNTUH, Hyderabad, India. pp. 73-78.
- **Patode R.S., Nagdeve M.B. and Ramamohan Reddy K.**, “Runoff and Nutrient Status Monitoring of a CCT Treated Catchment” Procs. of 3<sup>rd</sup> National Conference on Water, Environment & Society (NCWES-2017), JNTUH, Hyderabad, India. pp. 8-11.
- **Vijayakumar. S., Rao. K.V., Sarala. C., Maruthi V. and Srinivasa Rao Ch.**, “Enhancing of Water Availability for Irrigation through Recharging Wells with Recharge Technique in Watershed Area”, Proceedings of 4<sup>th</sup> National Conference on Water, Environment and Society., pp: 460-465. ISBN:978-93-5230-182-9. **G n a n a Sowjanya, S., Srilatha, K., Sri Sai lakshmi, Ch., Hima bindu, V., Sarala, C.**, “Recovery of hydrochloric acid from designed synthetic acidic water using Diffusion Dialysis Technique”, Procs. of Third National Conference on Innovative Research in Civil Engineering (NCIRCE 2k17), Malla Reddy Engineering College Hyderabad, pp- 149-152.
- **Hanumantha Rao V., Vasudeva Rao V., and Sarala.C., (2017)**, “Potential Tradable Plant Resources of Southern Telangana, India”, Proc. of 3<sup>rd</sup> International Conference on Environmental Management, JNT University, Hyderabad, Vol 1., pp: 217-222.



**Student name verses GATE score of Admitted students in the year 2017**





## Value Added Courses

### Value Added Course-1

Title: Disaster & Emergency Management

Duration: 9<sup>th</sup> Dec to 30<sup>th</sup> December, 2017.

No. of students completed the course: 17

#### *Value Added Course on "Disaster & Emergency Management"*



9<sup>th</sup> Dec to 30<sup>th</sup> Dec 2017

#### Organized By

*Centre for Water Resources  
Institute of Science &  
Technology  
Jawaharlal Nehru Technological  
University Hyderabad  
Kukatpally, Hyderabad- 500085.*

*Website: [www.jntuh.ac.in](http://www.jntuh.ac.in)  
[www.jntuhist.ac.in](http://www.jntuhist.ac.in)*

#### Venue

*New IST Seminar Hall  
Jawaharlal Nehru Technological  
University Hyderabad  
Kukatpally, Hyderabad.*

#### COORDINATOR

*Dr. M.V.S.S Giridhar  
Professor*

*Centre for Water Resources  
Institute of Science and Technology (IST),  
Jawaharlal Nehru Technological University  
Hyderabad, Telangana State.*

#### LIST OF SPEAKERS

*Dr. V. Himabindu  
Professor*

*Centre for Environment  
JNTU, Hyderabad.*

*Dr. Ch. Sasikala  
Professor*

*Centre for Environment  
JNTUH, Hyderabad.*

*Dr. Ch. Shilpa Chakra  
Assistant Professor  
Centre for Nano science &  
Technology  
JNTUH, Hyderabad.*

#### ABOUT HOST ORGANIZATION:

Jawaharlal Nehru Technology University Hyderabad, situated at Kukatpally, Hyderabad is carved out of Multi-Campus JNTU in the year 2009. JNTU was established on 2<sup>nd</sup> October 1972 and has been divided into 4 different Universities namely JNTU Hyderabad, JNTU Anantapur, JNTU Kakinada and Jawaharlal Nehru Architecture and Fine Arts University, with the aim to make higher education accessible for rural area students and also for administrative convenience. JNTUH is a premier institution that offers academic programmes at UG and PG level in core areas of Engineering and Inter-disciplinary areas of Science and Technology besides Management courses and Distance Education Programmes.

The Institute of Science & Technology, a constituent unit of JNTUH is presently offering Post graduate programmes in interdisciplinary areas of Science & Technology. Some of the areas include Biotechnology, Chemical Engineering, Environment, Geospatial Technologies, Nanotechnology, Pharmacy and Water Resources.

#### ABOUT THE VALUE ADDED COURSE:

Centre for Water Resources, Institute of Science & Technology, JNTUH is organizing a Value Added Course on "Disaster & Emergency Management" during 9<sup>th</sup> Dec to 30<sup>th</sup> Dec 2017. The main aim of the Value Added Course, it provides current, relevant, and forward-thinking theory and knowledge, to help ensure that the D&EM practitioners of tomorrow are prepared to better manage the increasing complexity and frequency of disaster events. The Value Added Course focus on learning and skills that extend across the entire system of D&EM, including litigation/prevention, preparedness, response and recovery, as well as resiliency building, business continuity, disaster risk reduction, climate change adaptation, and crisis communication.

#### VALUE ADDED COURSE DATES:

9/12/2017 (Saturday)  
16/12/2017 (Saturday)  
23/12/2017 (Saturday)  
30/12/2017 (Saturday)

## **Value Added Course-2**

Title: English in Scientific Writing & Publishing

Duration: 7 th to 28th October, 2017

No. of students completed the course: 17

**Value added course on  
“English in Scientific  
Writing &  
Publishing”**



**7<sup>th</sup> to 28<sup>th</sup> October, 2017**

**Organized By**  
**Centre for Water Resources  
Institute of Science & Technology  
Jawaharlal Nehru Technological  
University Hyderabad  
Kukatpally, Hyderabad- 500085.**

**Venue**

**New IST Seminar Hall  
Jawaharlal Nehru Technological  
University Hyderabad  
Kukatpally, Hyderabad.**

**CONVENER**

**Dr. C.Sarala**  
**Professor**  
Centre for Water Resources  
Institute of Science and Technology (IST),  
Jawaharlal Nehru Technological University  
Hyderabad, Telangana State.

**LIST OF SPEAKERS**

**Dr. Jayashree**  
**Professor**  
Centre for Chemical Sciences &  
Technology  
JNTU, Hyderabad.

**Dr. Ch. Sasikala**  
**Professor**  
Centre for Environment  
JNTUH, Hyderabad.

**Dr. Archana Giri**  
**Associate Professor**  
Centre for Biotechnology  
JNTUH, Hyderabad.

**ABOUT HOST ORGANIZATION:**

Jawaharlal Nehru Technology University Hyderabad, situated at Kukatpally, Hyderabad is carved out of Multi-Campus JNTU in the year 2009. JNTU was established on 2<sup>nd</sup> October 1972 and has been divided into 4 different Universities namely JNTU Hyderabad, JNTU Anantapur, JNTU Kakinada and Jawaharlal Nehru Architecture and Fine Arts University, with the aim to make higher education accessible for rural area students and also for administrative convenience. JNTUH is a premier institution that offers academic programmes at UG and PG level in core areas of Engineering and Inter-disciplinary areas of Science and Technology besides Management courses and Distance Education Programmes.

The Institute of Science & Technology, a constituent unit of JNTUH is presently offering Post graduate programmes in interdisciplinary areas of Science & Technology. Some of the areas include Biotechnology, Chemical Engineering, Environment, Geospatial Technologies, Nanotechnology, Pharmacy and Water Resources.

**ABOUT THE VALUE ADDED COURSE:**

Centre for Water Resources, Institute of Science & Technology, JNTUH is organizing a Value added course on “English in Scientific Writing & Publishing” during **7<sup>th</sup> to 28<sup>th</sup> October, 2017**. The main aim of the Value added course is to provide a platform to the students, researchers in academics, and research institutions, how to present their research work in peer reviewed journals and the English impact in research and scientific papers. Researchers want to publish their Scientific/Research articles in high impact journals, the role of English is very important. The Value added course majorly focuses and explain elaborately towards to the above saidpoints.

**VALUE ADDED COURSE DATES:**

**7-10-2017 (Saturday)**  
**14-10-2017 (Saturday)**  
**21-10-2017 (Saturday)**  
**28-10-2017 (Saturday)**

## Conferences conducted by the faculty

Dr.M.V.SS.Giridhar

Three day National Conference on Water, Environment and Society, on 16<sup>th</sup> -18<sup>th</sup> March 2017 at Seminar Hall, Ground Floor, Institute of Science and Technology, Jawaharlal Nehru Technological University Hyderabad Kukatpally, Hyderabad



### **Visitors to JNTUH**



1. Field visit on rain water harvesting structures on 7-02-2017

Participants: 15 PG M.Tech students from department of water and land management, DR.B.A.M.U sub campus Osmanbad along with their professor Dr. Nitin P. Patil

2. Training programme on "Water Conservation Techniques to Improve Water use efficiency" for the officers of Development Departments of Southern states



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Professor  
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3. One week faculty development programme "Sustainable Rain Water Harvesting"  
 Dates: July 03-07,2017  
 Participants: Government polytechnic teachers

4. Training programme in "community based disaster management : mainstreaming disaster risk reduction strategies" during 29th august to 25 th september 2017  
 Participants: 23 foreign visitors

5. Dr. E. Sampath Kumar, Member (south), Central Ground Water Board, Head Quarters, New Delhi for inspection of structures constructed by their funding. Along with regional director Sri T. Subba Rao and Dr. P N Rao superintending Scientist had visited and inspected the working of the rain water harvesting structures constructed in jntuh campus

6. International training programme in "Natural Resource Management For Sustainable And Rural Livelihoods" during 01 - 28 November 2017  
 Participants: 19 foreign visitors

7. International training programme in International Training Programme on Good Governance for Management of Rural Development Programmes 29<sup>th</sup> November 2017-26<sup>th</sup> December 2017  
 Participants: 22 foreign visitors

8. "48th Orientation Course" in JNTUH scheduled from 20-11-2017 to 18-12-2017



**Coordinator**  
**Dr.M.V.S.S.Giridhar**  
**Professor**  
**Centre for Water Resources,**  
**JNTUH**