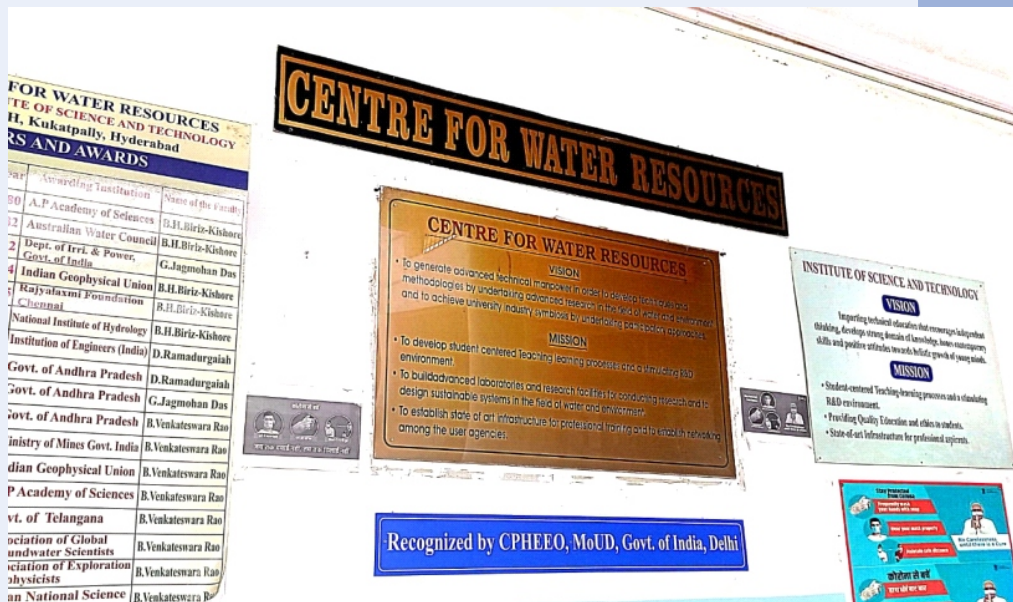




# NEWSLETTER 2020-21

## CENTRE FOR WATER RESOURCES, IST, JNTUH



**Dr. B. Venkateswara Rao**  
Director, Institute of Science and Technology, JNTUH



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

## NBA Accreditation

**NATIONAL BOARD OF ACCREDITATION**  
 Building, 4<sup>th</sup> Floor, Bhatam Pannam Marg,  
 Hyderabad-500088  
 Phone: +91 020-22 2430 0554 ; Telefax: +91 11 4308 4903  
 www.nba.ac.in

**NBA**  
 NATIONAL BOARD  
 OF ACCREDITATION

File No. 11-68-2010-NBA Dated: 29-05-2019

To  
 The Director,  
 JNTUH Institute of Sci. & Tech. (IST),  
 Kukatpally, Hyderabad-500088  
 Telangana

Subject: Accreditation status of programmes applied by JNTUH Institute of Sci. & Tech. (IST),  
 Kukatpally, Hyderabad-500088 Telangana.

Sir/Madam,

This has reference to your application I.D. No. 207-14/10/2016 seeking accreditation by National Board of Accreditation in May, 2017 format to PG Engineering programs offered by JNTUH Institute of Sci. & Tech. (IST), Kukatpally, Hyderabad-500088 Telangana.

2. An Expert Team conducted on-site evaluation of the programs from 26<sup>th</sup>-28<sup>th</sup> October, 2018 and further visit on 09<sup>th</sup> March, 2019. The report submitted by the Expert Team was considered by the concerned Committees constituted for the purpose in NBA. The competent authority in NBA has approved the following accreditation status to the programs as given in the table below:

Sl. No.	Name of the Program(s) (PG)	Basis of Evaluation	Accreditation Status	Period of validity	Remarks
(1)	(2)	(3)	(4)	(5)	(6)
1.	Water & Environmental Technology	May, 2017 Document	Accredited	Academic Years 2018-2019 to 2020-2021 i.e. Up to 30-06-2021	Accreditation status granted is valid for the period indicated in Col.5 or till the program has the approval of the competent authority, whichever is earlier
2.	Biotechnology		Accredited		
3.	Environmental Management		Accredited		
4.	Environmental Geomatics		*Accredited		

\*Observations made during the course of evaluation are indicated in annexure to this letter.

3. It may be noted that only students who graduate during the validity period of accreditation, will be deemed to have graduated with an NBA accredited degree.

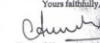
5. The accreditation status awarded to the programs as indicated in the above table does not imply that the accreditation has been granted to JNTUH Institute of Sci. & Tech. (IST), Kukatpally, Hyderabad-500088 Telangana as a whole. As such the Institutions should nowhere along with its name including on its letter head etc. write that it is accredited by NBA because it is program accreditation and not Institution accreditation. If such an instance comes to NBA's notice, this will be viewed seriously. Complete name of the program(s) accredited, level of program(s) and the period of validity of accreditation, as well as the Academic Year from which the accreditation is effective should be mentioned unambiguously whenever and wherever it is required to indicate the status of accreditation by NBA.

6. The accreditation status of the above programs is subject to change on periodic review conducted by the NBA. It is desired that the relevant information in respect of accredited programs as indicated in the table in paragraph 2 appears on the website and information bulletins of the Institute.

7. The accreditation status awarded to the programs as indicated in table in paragraph 2 above is subject to maintenance of the current standards during the period of accreditation. If there are any changes in the status (major changes of faculty strength, organizational structure etc.), the same are required to be communicated to the NBA, with an appropriate explanatory note.

8. A copy each of the Report of Chairman of the Visiting Team and Evaluators' Reports in respect of the above programs are enclosed.

9. If the Institute is not satisfied with the decision of NBA, it may appeal within thirty days of receipt of this communication giving reasons for the same and by paying the requisite fee.

Yours faithfully,  
  
 (Dr. Anil Kumar Nassa)  
 Member Secretary

Enclose 1. Copy of Report of Chairman of the Visiting Team.  
 2. Copy each of Expert Reports of the Visiting Team.



Copy to:

1. The Commissioner, Directorate of Technical Education 5<sup>th</sup> and 6<sup>th</sup> Floor, B.R.K.R. Bhavan, Tankbund Road, Sullabad, Hyderabad-500063
2. Accreditation File
3. Master Accreditation folder of the State

Name of Accredited PG Program: M.Tech (Water and Environmental Technology)  
 File No: 11-68-2010-NBA  
 NBA Score: 331  
 Valid from: 2018 to 2021

## 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.Ruckhsana Begum
2. Ms.T.Pavani
3. Sri.P.Naresh
4. Smt.K.Chandrakala

### Full Time Research Scholars

Mrs.P.Sowmya	2014-2020
Ms.Shyama Mohan	2018-2022
Mr. V.Narasaiyah	2014
Mrs.G.Hepsi Swarupa Rani	2014
Mr.D.Ajay Kumar	2019-2023
Ms.M.Ramya	2019

## 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

Assessment of ground water quality with the effect of implementation of rainwater harvesting structures in the region of fluoride affected areas.

Funded by : Technical Education Quality Improvement Programme Phase-III, Duration: Two years (2018-2020), Amount sanctioned: 02 Lakhs

### Dr. B. Venkateswara Rao

Ground water modeling of Subledu basin.

Funded by : Technical Education Quality Improvement Programme Phase-III, Duration: Two years (2018-2020), Amount sanctioned: 02 Lakhs

## Academic Distinctions/Awards

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

- National Level Water Digest Award under BEST WATER MANAGEMENT-COLLEGE
- The Water Digest in partnership with UNESCO, New Delhi supported by Ministry of Jal Shakti and Ministry of Housing and Urban Affairs
- Award for “Engineering Seva Ratna Award”
- Elders club international foundation



## Guest Lectures delivered in various organizations

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

“Need for Rainwater harvesting in view of climate change in urban scenario”

- Venue: Gokaraju Rangaraju Institute of engineering and Technology.
- 7<sup>th</sup> January 2020.

“An approach towards SDG- 6 through Rainwater Harvesting Systems”

- Environmental Degradation: Key Challenge to Sustainable Development
- Venue: Visvesvaraya Bhavan, Khairatabad, Hyderabad.
- 26<sup>th</sup> January, 2020

“Cities and Climate Change”

- Continuing Professional Development Programme
- Venue: ESCI campus, Hyderabad
- 29<sup>th</sup> January, 2020

“Water Budgeting and Auditing”

- Venue: EPTRI - ENVIS Hub and Climate Change Division
- 3rd February 2020 to 29th February, 2020

“Post Covid world and the future of conservation and management of water resources in India”

- Web-Dialogue
- Venue: Global Foundation and CHINAR
- July 11, 2020

“Catch The Rain” Where It Falls – When Falls”

- Venue: The Institution of Engineers (India), Telangana State Centre
- 18th July, 2020

“Mapping community needs for socially useful research' and 'Social Mapping for Better evaluation' on for Online “Faculty Induction Programme-II”

- Venue: UGC-Human Resource Development Centre, JNTUH
- 13<sup>th</sup> October, 2020

“Surge Analysis in Pumping Mains” on for Online Training programme on “Planning, Design and Implementation of Water Supply Network and Distribution using GIS”

- Venue: ESCI, Hyderabad
- 22<sup>nd</sup> August, 2020

“Need of Rainwater and Sustainable storm water management”

- Venue: Usha Rama College of Engineering and Technology, Telangana.
- 10<sup>th</sup> August 2020

“Recent Modelling Approaches In Water Resources Engineering”

- Venue: Civil Engineering Dept, OU.
- 17 - 21 August 2020

“Research Proposal Writing and Funding' on for Online “Faculty Induction Programme-II

- Venue: UGC-Human Resource Development Centre, JNTUH.
- 09<sup>th</sup> October, 2020

“Unprecedented Floods in GHMC area”

- Venue: Institute of Engineers, Khairatabad
- 16<sup>th</sup> October, 2020

“Integrated Water Resource Management” on for Online Training programme on “Climate Change Impact on Water Resources its Imitation and Adaptation”

- Venue: ESCI, Hyderabad.
- 16<sup>th</sup> September, 2020

“Design, Construction & Maintenance of Storm Water Drainage System”

- Venue: ESCI, Hyderabad.
- 23 – 25 November, 2020

“Storm Water Control and Management” on for Online Training programme on “Climate Change Impact on Water Resources its Imitation and Adaptation”

- Venue: ESCI, Hyderabad.
- 19<sup>th</sup> September, 2020

“Research Proposal Writing and Funding' on for Online “Faculty Induction Programme-3”

- Venue: UGC-Human Resource Development Centre, JNTUH.
- 17<sup>th</sup> November, 2020

“Surge Analysis, Water Hammer in Water Supply System”

- Venue: ESCI, Hyderabad.
- 5<sup>th</sup> October, 2020

“Types of Pumps and Operation & Maintenance”

- Venue: ESCI, Hyderabad.
- 7<sup>th</sup> October, 2020

“Development of Assessment Methodologies and Smart Informations Systems for Water Resources”

- Online
- 03-09-2020 to 05-09-2020

“Mapping community needs for socially useful research and Rain Water Harvesting”

- Venue: UGC-Human Resource Development Centre, JNTUH..
- 20<sup>th</sup> November, 2020

“Storm Water Drainage Network System-CPHEEO Manual Guidelines and Design Criteria – introduction –objectives – project planning and design”

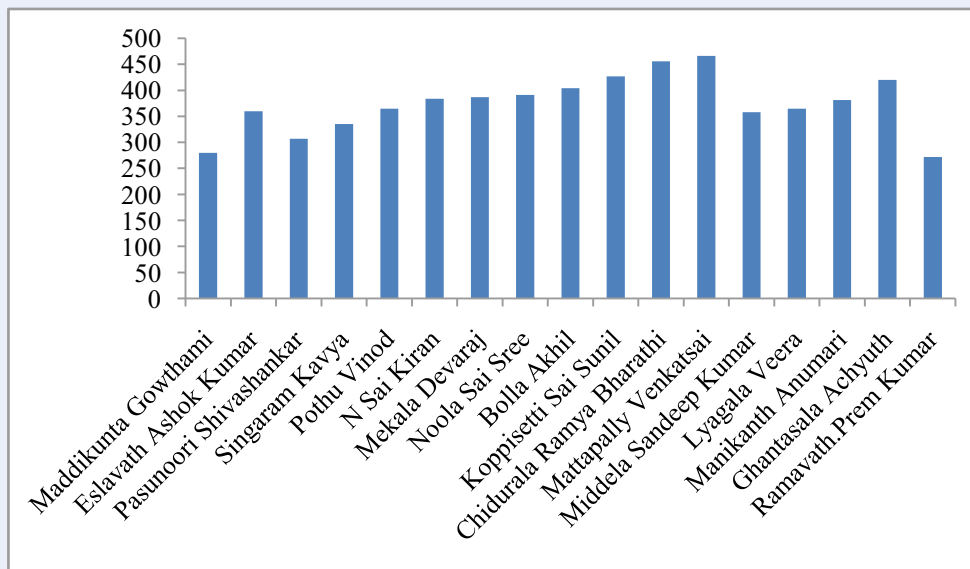
- Venue: ESCI, Hyderabad.
- 21<sup>st</sup> December, 2020

## “Hydraulic Design and analysis of the Storm Water Drainage Network System”

- Venue: ESCI, Hyderabad.
- 22<sup>nd</sup> December, 2020

## “Storm Water Management-Innovations and Best Practices”

- Venue: ESCI, Hyderabad.
- 23<sup>rd</sup> December, 2020



**Student name verses GATE score of Admitted students in the year 2020**

## Research Papers Published in Journals

- **Giridhar M.V.S.S, Shyama Mohan and D. Ajay Kumar** (2020), “Comparative Assessment of Surface and Ground Water Quality using Geoinformatics”, Advances in Environmental Research, Vol. 9, No. 3 151-160, ISSN: 2234-1722.
- **Venkata Ramamohan Ramachandru, Ramamohan Reddy Kasa** (2020), “Non-destructive characterization of physical and chemical clogging in cylindrical drip emitters”, Heliyon, Vol.6, No.10, ISSN 2405-8440.

## Training Program attended by the faculty

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

- Webinar session titled “Applications of GIS in Infrastructure Planning and Management” conducted by NITTTR Chennai on 4th May 2020.
- An online course titled “Exploring Sustainability in the Indian Context” conducted by Azim Premji University from March 6 – May 8, 2020.
- An online course titled “STC - Tools & Software for Remote Teaching -Learning” conducted by UGC-HRDC JNTUH from 16<sup>th</sup> -18<sup>th</sup> May 2020.
- An online course titled “GIS Training Program using QGIS” conducted by Central University of Karnataka from 13.7.2020 to 2.8.2020.
- Webinar session titled “Hyperspectral Imaging: Introduction & Challenges in Field, Airborne Applications” conducted by Sinsil International Pvt Ltd.on 14 July 2020.
- An online course titled “IT Enabled Applications in Water Supply and Sewerage Projects” conducted by Engineering Staff College of India from 05 – 07 October, 2020.
- Faculty Development Programme titled “Advanced Geo-computational Techniques (AI & Computing for Remote Sensing & GIS)” conducted by Indian Institute of Space Science and Technology Thiruvananthapuram from 2-11-2020 to 6-11-2020.

## M.Tech Water & Environmental Technology 2018 batch topper



**Mr. Konda Rajanikara Swamy**  
18031D5912  
CPGA: 8.98

## Placements

File No.GHS-ADMN/ESTB/AOMS/3/2020-ADMIN SECTION

C. No.719/A1/GHS/2017-20.

Office of the  
Addl. Director General of Police  
Operations, GreyHounds  
TS, Hyderabad, Date: /12/2020.

### M.E.M.O

- Sub: GreyHounds, Telangana - Allotment of (07) Junior Assistants & (02) Typists selected for appointment by direct recruitment through TSPSC to GreyHounds, Telangana. Submit Original Documents for verification - Reg.
- Ref: 1. Notification No.10/2018, dt:02/06/2018 of Principal Secretary, TSPSC, Hyderabad.
2. letter No.522/Rectt.Pool.III/Gr-IV/2017, dt:04/12/2020 of Principal Secretary, TSPSC, Hyderabad.
3. Chief office Memorandum vide C.No.387/ME.3/2016, dtd. 11/17/2020

\*\*\*

The following candidates selected for the post of Junior Assistants & Typist for appointment by direct recruitment through TSPSC of Group IV Services and are allotted to GreyHounds, Telangana vide references 1<sup>st</sup> to 3<sup>rd</sup> cited.

Sl No.	Name	Selected Post
1.	Kusa Shruthi	Junior Assistant
2.	<b>Bitla Surender Reddy</b>	<b>Junior Assistant</b>
3.	B. Vishnu Vardhan	Junior Assistant
4.	K. Sailesh Kumar	Junior Assistant
5.	Awshala Soujanya	Junior Assistant
6.	Priyanjali Pulimeti	Junior Assistant
7.	Manupathi Srivani	Junior Assistant
8.	J. Sunitha	Typist
9.	MR Surakshitha	Typist

In this regard, the above individuals are directed to submit all the original certificates pertaining to their appointment to this office for verification of Character Antecedents and genuineness of certificates at the earliest.

Addl. Director General of Police  
GreyHounds, Telangana  
Hyderabad

To  
Kum. Kusa Shruthi d/o Kusa Raji Reddy  
H. No.3-77, Gandhinagar/Gundiapahad, Nalibelly, Warangal Rural.  
/Sri. Bitla Surender Reddy s/o B. Thirupathi Reddy  
Plot. No.71, Indraprastha Colony Phase-1, Hastinapuram Central, Ranga Reddy Dist.  
Sri. B. Vishnu Vardhan s/o

## SREE CHAITANYA COLLEGE OF ENGINEERING

Approved by AICTE, Affiliated to JNTUH



SCCE/Admin/Appt./2021

Date:15-Mar-21

From:  
M. Ramesh Reddy, B.E.,  
CHAIRMAN.

### APPOINTMENT ORDER

To  
Mr. KATTA SURESH

Sub: Estt -SCCE- Appointment of Mr. KATTA SURESH as an Assistant professor in CIVIL department - orders -issued.

Mr.KATTA SURESH has been appointed as an Assistant Professor in the department of CIVIL Engineering in the pay scale of Rs.15600-39100+Rs.6000 AGP.

This appointment is purely temporary and terminable without prior notice and without assigning any reason.

He is governed by the service rules and regulations framed by the Management, Takshasila Educational Society from time to time.

The deduction i.e. Income tax, Professional tax etc. will be made as per rules.

He should not engage in any part time activities outside the college without prior permission of the Management.

#### Copy to:

1. The Principal, Sree Chaitanya College Of Engineering
2. Administrative officer, SCCE.
3. Accounts Office SCCE
4. Personal File

CHAIRMAN

CHAIRMAN  
Sree Chaitanya College of Engg.  
LMD Colony, Thimmapur  
KARIMNAGAR

LMD Colony, Thimmapur, Karimnagar, Telangana, India - 505 527  
Office No: 9502355638, 0878-2223105, Tele Fax : 0878-2223110, www.scce.ac.in, e-mail : scce.principal@gmail.com

Scanned with CamScanner

Student Name: B.Surender Reddy (2018 Batch),  
Company placed: TSPSC, Salary: 3.84 lakhs per annum

Student Name: K. Suresh (2018 Batch), Company  
placed: Sree Chaitanya College of Engineering, Salary: 3  
lakhs per annum

## NSS activities

NSS Coordinator: Dr.M.V.SS.Giridhar

Activity: Blood donation camp

No. of participants: 60

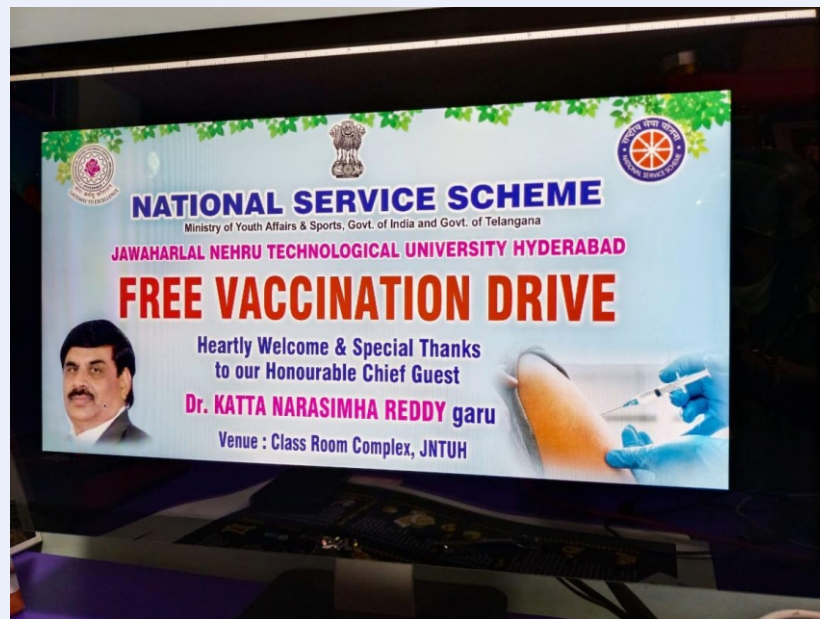


Blood donation camp

NSS Coordinator: Dr.M.V.SS.Giridhar

Activity: Covid free vaccination drive

No. of participants: 300



Covid free vaccination drive

NSS Coordinator: Dr.M.V.SS.Giridhar

Activity: Plantation

No. of participants: 60





Plantation

## Value Added Courses

### Value Added Course-1

Title: English for Science, Technology & Engineering

Duration: 5<sup>th</sup> to 26<sup>th</sup> December 2020.

No. of students completed the course: 10

#### **ABOUT VALUE ADDED COURSE**

This course focus on, explore some of the most innovative areas of scientific study, while expanding vocabulary and the language skills needed to share scientific information within the scientific community. And it also focuses on how to improve the English language skills to publish the research papers in Science and Engineering.

#### **CONVENER**

**Dr. V. Himabindu**

**Professor**

Centre for Environment

Institute of Science and Technology (IST),

Jawaharlal Nehru Technological University Hyderabad,  
Telangana State, India.

#### **VALUE ADDED COURSE**

On

**English for Science, Technology & Engineering**

5<sup>th</sup> Dec to 26<sup>th</sup> Dec 2020



**Organized by**

**Centre for Environment  
Institute of Science and Technology  
Jawaharlal Nehru Technological University  
Hyderabad  
Kukatpally, Telangana, INDIA 500085.**

#### **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.

#### **LIST OF SPEAKERS:**

- 1. Prof. Ch. Sasikala**  
Professor  
CEN, IST, JNTUH  
Hyderabad.
- 2. Dr. C. Sarala**  
Professor  
CWR, IST, JNTUH  
Hyderabad.
- 3. Dr. Archana Giri**  
Professor  
CBT, IST, JNTUH  
Hyderabad.
- 4. Dr. MVSS Giridhar**  
Professor  
CWR, IST, JNTUH  
Hyderabad.

## **Value Added Course-2**

Title: Disaster & Emergency Management

Duration: 7<sup>th</sup> April to 28<sup>th</sup> April, 2021.

No. of students completed the course: 11

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



*7<sup>th</sup> April to 28<sup>th</sup> April 2021*

#### **Organized By**

***Centre for Environment  
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.***

#### **CONVENER**

***Dr. T. Vijayalakshmi  
Associate Professor  
Centre for Environment  
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 Environment, Institute of Science & Technology, JNTUH is organizing a Value Added Course on "Disaster & Emergency Management" during 7<sup>th</sup> April to 28 April 2021. 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:**

***10/04/2021 (Saturday)  
17/04/2021 (Saturday)  
24/04/2021 (Saturday)***

## Value Added Course-3

Title: Research Methodology role in Engineering, Science & Technology

Duration: 4<sup>th</sup> to 25<sup>th</sup> January 2020.

No. of students completed the course: 11

### ABOUT VALUE ADDED COURSE

This Value added course focus on the fundamentals of science of research (or research science) and presents a set of scientific principles and methods through answering the questions such as What is research? How can do research? How can manage research? How can automate a research? How can engineer a research? and etc. This Value added course also explores technology of research, engineering of research, system of research and management of research as a part of science of research. The approaches in science of research will benefit all aspects of science, engineering, technology, system and management.

### 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, India.

VALUE ADDED COURSE  
on  
**Research Methodology role in Engineering,  
Science & Technology**  
4<sup>th</sup> Jan to 25<sup>th</sup> Jan 2020



Organized by

Centre for Water Resources  
Institute of Science and Technology Jawaharlal Nehru  
Technological University Hyderabad  
Kukatpally, Telangana, INDIA 500085

### ABOUT HOST ORGANIZATION

Jawaharlal Nehru Technological 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.

### LIST OF SPEAKERS:

- 1. Prof. M. Lakshmi Narasu**  
Retd. Professor  
CBT, IST, JNTUH  
Hyderabad.
- 2. Dr. A. Uma**  
Assistant Professor  
CBT, IST, JNTUH  
Hyderabad.
- 3. Dr. C.Sarala**  
Professor  
CWR, IST, NTUH  
Hyderabad.
- 4. Mr. S. Fazal**  
Asst. Professor (c)  
CPS, IST, JNTUH  
Hyderabad.

## Value Added Course-4

Title: Research Methodology role in Science & Technology

Duration: 6<sup>th</sup> to 27<sup>th</sup> February, 2021

No. of students completed the course: 10

### ABOUT VALUE ADDED COURSE

This Value Added Course focus on the fundamentals of science of research (or research science) and presents a set of scientific principles and methods through answering the questions such as What is research? How can do research? How can manage research? How can automate a research? How can engineer a research? and etc. This course also explores technology of research, engineering of research, system of research and management of research as a part of science of research. The approaches in science of research will benefit all aspects of science, engineering, technology, system and management.

### CONVENER

**Dr. B. Sunitha Reddy**  
Associate Professor

Centre for Pharmaceutical Sciences

Institute of Science and Technology (IST),

Jawaharlal Nehru Technological University Hyderabad,  
Telangana State, India.

VALUE ADDED COURSE  
on  
**Research Methodology role in Science &  
Technology**  
6<sup>th</sup> Feb to 27<sup>th</sup> Feb 2021



Organized by

Centre for Pharmaceutical Sciences  
Institute of Science and Technology  
Jawaharlal Nehru Technological University  
Hyderabad  
Kukatpally, Telangana, INDIA 500085

### ABOUT HOST ORGANIZATION

Jawaharlal Nehru Technological 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.

### LIST OF SPEAKERS:

- 1. Prof. M. Lakshmi Narasu**  
Retd. Professor  
CBT, IST, JNTUH  
Hyderabad.
- 2. Dr. A. Uma**  
Assistant Professor  
CBT, IST, JNTUH  
Hyderabad.
- 3. Dr. Sandhya**  
Asst.Professor (c)  
CPS, IST, JNTUH  
Hyderabad.
- 4. Mr. S. Fazal**  
Asst.Professor (c)  
CPS, IST, JNTUH  
Hyderabad.