



# NEWSLETTER

May - December 2019

## UGC-Human Resource Development Centre JNTUH

### Vision:

To enhance the quality of teaching, stimulate research and scholarly activities by facilitating an enriched academic environment integrated with instructional technologies.

### Mission:

(i) Continually support and empower faculty particularly in Technical Education to keep them abreast in discipline and profession (ii) Facilitate holistic development of faculty and contribute to individual, institutional and Community Development Through a variety of programs and resources (iii) To anticipate and respond to the changing needs of faculty development in consonance with the recommendations of the UGC and align with the University's mission to support lifelong learning for enhancing Quality of Education.

Trained faculty members are essential to the current technical education Institutions, in order to improve the quality of education. The academic administrators should encourage the teaching faculty for attending the Faculty Development Programmes for their professional development to meet the requirements of changes in pedagogy and to understand and practice the Technology Enhanced Teaching-Learning processes.

UGC-HRDC of JNTUH has been striving in this direction by conducting several Orientation Programmes for newly joined faculty, Refresher Courses in the specified thrust subject areas and Short Term Courses.

--- Sri Jayesh Ranjan, IAS

Hon'ble In-Charge Vice-Chancellor, JNTUH



Dear Colleagues,

Greetings! The UGC – Human Resource Development Centre, JNTUH is delighted to release its newsletter. The academic year 2019-20 has been going with great zeal and enthusiasm. To create high quality human resources and to adopt innovative approaches in Higher Education, the HRDC of JNTUH has been organizing several programs viz. Orientation Programmes, Refresher Courses, Short Term Courses, Workshops, Faculty Development Programmes for the members of the Faculty. We have received approval for 32 courses from University Grants Commission for the year 2019-20, out of which 20 courses have been conducted successfully from May – December 2019.

In the academic year 2019-20, JNTUH entered into an MoU with All India Council for Technical Education (AICTE) for conducting the Short Term Training Programmes for the Faculty of AICTE approved Institutions affiliated to JNTUH.

The AICTE has sanctioned 10 Programmes for this academic year and 6 programmes were conducted till date through HRDC of the University. The HRDC also conducted 3 National Workshops under Technical Education Quality Improvement Program (TEQIP-III) of JNTUH. With this Newsletter, I am pleased to report the detailed activities of UGC-HRDC from May to December 2019.

Computer Lab was upgraded with networking facility for 30 systems to provide hands-on sessions to the participants to enhance the practical knowledge. Online system was initiated and incorporated for participant registrations, payment of registration fee and to take feedback about the sessions delivered from the academic year 2019-20.



--- Dr. G.K. Viswanadh

Professor of Civil Engineering &  
Director, UGC-HRDC, JNTUH

**May, 2019...**

**i. 54<sup>th</sup> Orientation Programme**

**Coordinator**

**Dr. G.K. Viswanadh**  
Professor of Civil Engg &  
Director  
UGC-HRDC, JNTUH

**ii. RC - Drug Discovery and Formulation Development – Clinical Approach to Health care**

**Coordinator**

**Dr.M. Sunitha Reddy**  
Assoc. Professor, CPS  
IST, JNTUH

**iii. STC – Materials Science and Applications**

**Coordinator**

**Dr.K. Vijaya Kumar**  
Professor, Dept. of Physics  
JNTUH CES, Sulthanpur

**iv. National Workshop on “Pedagogical Perspectives of SWAYAM – MOOCs”**

**Coordinators**

**Dr. G.K. Viswanadh**  
Professor of Civil Engg &  
Director, UGC-HRDC, JNTUH

**Dr. K. Naga Sujatha**  
Professor of EEE &  
Dy. Director, UGC-HRDC,  
JNTUH

**v. Workshop on “Developing Trends in Water Supply System for DGMs (E) &Managers (E) of HMWSSB”**

**Coordinators**

**Dr. G.K. Viswanadh**  
Professor of Civil Engg &  
Director, UGC-HRDC, JNTUH

**Dr.MVSSGiridhar**  
Professor  
Centre for Water Resources  
IST, JNTUH

## UGC-Human Resource Development Centre, JNTUH



### 54<sup>th</sup> Orientation Programme

A three-week 54<sup>th</sup> Orientation Programme was organized from 13-05-2019 to 01-06-2019, for the members of the faculty from Engineering and Degree Colleges all over the Country. A total number of 36 teachers from different disciplines participated in the course, from Karnataka and Telangana States.



Lecture session on Communication Skills by Dr. P. AravindBabu in 54<sup>th</sup> Orientation Programme

The course focused on various topics such as Indian Education System and Pedagogy, Resources Awareness and Knowledge Generation, Personality Development, Management, Awareness of linkages between society, environment, development and education etc.

### RC – Drug Discovery and Formulation Development – Clinical Approach to Health Care

A two-week Refresher Course on “Drug Discovery and Formulation Development – Clinical Approach to Health Care” was organized during 20-05-2019 to 01-06-2019. A total number of 38 teachers from Pharmacy and Degree Colleges participated in the Course.

### STC – Materials Science and Applications

A One-week Short Term Course on “Materials Science and Applications” was held during 27-05-2019 and 01-06-2019. The participants were trained on various synthesis techniques, characterization and applications of materials.



### Two-Day National Workshop under TEQIP-III of JNTUH

A two day workshop on “Pedagogical Perspectives of SWAYAM-MOOCs” was organized during 15 May 2019 and 16 May 2019, under TEQIP-III of JNTUH, to provide knowledge on challenges and opportunities brought by the use of ICT and Open Content (OER and MOOC) in Higher Education.

### Workshop on “Developing Trends in Water Supply System”

A two-day Workshop for the DGMs (E) & Managers (E) of HMWSSB has been organized during 08 May 2019 and 09 May 2019, covering various topics on Water distribution system using EPANET software, SCADA, Design and performance of pumps, cavitation and surge analysis etc.







Sri U. Ram Mohan IPS SP, CID in Cyber Crimes, addressing the participants of 55<sup>th</sup> Orientation Programme on Cyber Crimes, Security and Forensics

### STC – Changing Face of Pharmaceutical Research in Present Global Scenario

To improve the knowledge of the Faculty members on state-of-the-art laboratories and to keep up with the developments in the area of Pharmaceutical Industry in present scenario, the HRDC conducted a one-week Short Term Course on “Changing face of Pharmaceutical Research in Present Global Scenario” from 10 June 2019 to 15 June 2019.

### 55<sup>th</sup> Orientation Programme

With the main objective of professional development of the teachers in Higher Education and to make them adopt the innovative methods of teaching and learning techniques, the HRDC of JNTUH organized a three-week 55<sup>th</sup> Orientation programme from 08-07-2019 to 27-07-2019. Dr. Pradeep Kumar Ramancharla, Registrar, IIIT, Hyderabad addressed the teachers on “Teacher Effectiveness through Moral Values and Professional Ethics”



Book Review Exercise session in Orientation Programme

### RC – Advances in Materials Science & Applications

A two-week Refresher Course was organized from 15 July 2019 to 27 July 2019 on “Advances in Materials Science & Applications” for the faculty members from the departments of Physics, Chemistry, Materials Science and related disciplines. Eminent Professors from Industry and Academia delivered the lectures on various topics...

- Synthesis & Processing
- Advanced Materials and Artificial Intelligence
- Advanced composites for Aerospace Applications
- Data Science for Material Science Applications etc.

### i. STC – Changing Face of Pharmaceutical Research in Present Global Scenario

#### Coordinator

Dr.S. Shobha Rani  
Assoc. Professor & Head  
CPS, IST, JNTUH

### ii. 55<sup>th</sup> Orientation Programme

#### Coordinator

Dr. G.K. Viswanadh  
Professor of Civil Engineering &  
Director, UGC-HRDC, JNTUH

### iii. RC - Advances in Materials Science & Applications

#### Coordinator

Dr.K. Vijaya Kumar  
Professor, Dept. of Physics  
JNTUH CES, Sulthanpur

Contd...

**iv. FDP – Programming for Problem Solving – A Pedagogical Approach**

**Coordinator**

Mrs. E. Hemalatha

Asst. Professor, Dept. of CSE  
JNTUH CEH, Hyderabad



**Dr. A. Govardhan, Professor of CSE & Rector, JNTUH, addressing the participants at Valedictory session of AICTE FDP on Programming for Problem Solving**

**FDP – Programming for Problem Solving – A Pedagogical Approach**

To prepare the faculty members to be successful and effective in the knowledge driven society, the AICTE-JNTUH Joint Training Programs are being organized from the Academic year 2019-20.



Faculty Development Programme on “Programming for Problem Solving – A Pedagogical Approach” was held from 22-07-2019 to 26-07-2019. The complete one week intensive program inducted better means and strategies to be followed by Teachers for improved understanding of students.

The event included lectures from prominent teachers, entrepreneurs and researchers in the field of computer science.



**Lab. session on IDE & Tools**

Included the topics such as Introduction to programming for problem solving, IDE, Tools and Structure of C, Operators and Expressions, Conditional Branching and Looping, Advanced topics for complex solution building involving Arrays and Strings, Functions and recursions, structures and unions, command line arguments and pre-processor directives, C-pointers and file handling.





Address by Dr. G.K. Viswanadh, Director, UGC-HRDC, JNTUH in the Inaugural Session

### National Workshop on Impact of Autonomy in Higher Education Institutions



Prof. G. Gopal Reddy, Member, UGC, New Delhi addressing the Participants in the Inaugural Session

The need for autonomy in Higher Education arises on the grounds of academic expansion, excellence and innovation. The HRDC of JNTUH organized a One-Day National Workshop on “Impact of Autonomy in Higher Education Institutions” on 27 July 2019. Prof. G. Gopal Reddy, Member, UGC, New Delhi addressed the participants in the Inaugural session and emphasized the need and the benefits accrued by UGC autonomy to Colleges.

The workshop was organized with the main objective to provide the knowledge on importance of Autonomy in Higher Education System in order to achieve excellence in academics, good governance and better financial management of the Institutions.

Eminent Professors delivered the sessions on the following topics:

- Need and Quality Improvement in H.E Institutions through Autonomy
- Benefits accrued by UGC Autonomy
- Outcome Based Education – Curriculum, Delivery and Assessment
- Accountability in Autonomy and Administrative Responsibilities



Dr. G. Tulasiram Das, Professor of EEE, JNTUHCEH addressed the participants in the Workshop

### v. National Workshop on Impact of Autonomy in Higher Education Institutions

#### Coordinators

Dr. G.K. Viswanadh  
Professor of Civil Engineering &  
Director, UGC-HRDC, JNTUH

Dr. K. Naga Sujatha  
Professor of EEE &  
Dy. Director, UGC-HRDC,  
JNTUH

August 2019...

### i. 56<sup>th</sup> Orientation Programme

#### Coordinator

Dr. G.K. Viswanadh  
Professor of Civil Engg &  
Director, UGC-HRDC, JNTUH

### ii. STC – Soft Skills and Professional Ethics

#### Coordinator

Dr. Parvathi V.  
Professor & Head  
Dept. of H & SS  
JNTUH CEH, Hyderabad

### iii. FDP Research Methodology and IPR

#### Coordinators

Dr. L. Pratap Reddy  
Professor, Dept. of ECE  
JNTUH CEH, Hyderabad

Dr. M. Asha Rani  
Professor, Dept. of ECE  
JNTUH CEH, Hyderabad

## UGC-Human Resource Development Centre, JNTUH

### 56<sup>th</sup> Orientation Programme

The Orientation Programme encourages the teachers to adapt innovative and effective teaching practices. It promotes sharing of the knowledge between peers and the experts.

The HRDC organized a three-week 56<sup>th</sup> Orientation Programme during August 5, 2019 and August 29, 2019. Prof. N.V. Ramana Rao, Director, NIT Warangal, in his inaugural address emphasized the importance of teacher Orientation and the challenges that the new teachers are facing in present higher education.



The participants of 56<sup>th</sup> Orientation Programme have participated in the Flag Hoisting on Independence Day 15-08-2019



Visit to Heritage structures in Hyderabad in Orientation Programme

### STC – Soft Skills and Professional Ethics

A One-Week Short Term Course on “Soft Skills and Professional Ethics” was held from 26 August 2019 to 31 August, 2019. Participants from the states of Maharashtra, Karnataka, Andhra Pradesh and Telangana attended the programme.



Certificate presentation to the participants in the valedictory session of STC- SS & PE

The experts delivered the sessions on Critical Thinking Skills, Problem Solving and Time Management etc., through which the teachers could effectively conduct the classroom interactions.

### FDP on Research Methodology and IPR



The AICTE sponsored Faculty Development Programme on “Research Methodology and IPR” was held from August 5 - 9, 2019. The topics such as Characterization of a research problem, data collection, analysis, literature review, technical writing, plagiarism, nature of IPR, Patents, Copy right, Copy left, Morals and Ethics etc., covered during the programme.





## UGC-Human Resource Development Centre, JNTUH

During the month of September 2019 the HRDC, JNTUH has conducted Five Programs including One Day Principals Meet.

### STC on Ground Improvement Methods and Assessment of their Quality Control



To develop expertise of Civil Engineering Faculty in Ground Improvement Methods, Soil Properties and the behaviour of different soils, a Short Term Course was planned and conducted from 16-09-2019 to 21-09-2019. The experts from IIT-H, IIIT, JNTUH and other prestigious Institutions and Industry have delivered the sessions.

### STC on “Academic-Industry Collaboration Development for Pharmaceutical Research”

The need for collaboration of academic research work and pharmaceutical industry for the development of new active pharmaceutical components was emphasized in the Short Term Course on “Academic-Industry Collaboration Development for Pharmaceutical Research” held from 16-09-2019 to 21-09-2019.



The Resource Persons delivered the sessions on Current Opportunities for Academia-Industry Collaboration to bridge the gap between Industry expectations and Academia, Drug regulatory aspects in Industry, Drug Development in Pharma Industry, Development of Nano Particles and Processing of Magnetic Nano Particles for Drug Delivery applications and Industry Collaboration in Nano Research and Funding agencies for sponsoring research etc.

### One Day Principals Meet

The HRDC organised a one day Principals Meet on 27-09-2019 with the theme of “Challenges of Academic Administration in 21<sup>st</sup> Century”.



Dr. N. Yadaiah, Registrar, JNTUH, addressed the participants on the development and growth of ICT in present higher education system and importance of integrating curriculum with 21<sup>st</sup> century learning skills. Gap between education provided and industry required education and the challenges faced with the limited resources were also discussed.

## September 2019...

### i. STC “Ground Improvement Methods and Assessment of their Quality Control”

#### Coordinator

Dr. N. Darga Kumar  
Asst. Professor & Head  
Dept. of Civil Engg., JNTUH CEM  
Manthani

### ii. STC – “Academia-Industry Collaboration Development for Pharmaceutical Research”

#### Coordinator

Dr.M. Sunitha Reddy  
Assoc. Professor, CPS  
IST, JNTUH

### iii. One Day Principals Meet

#### Coordinator

Dr. G.K. Viswanadh  
Professor of Civil Engineering &  
Director, UGC-HRDC, JNTUH

#### iv. FDP "Power Systems"

##### Coordinator

Dr. A. Jayalaxmi  
Professor, Dept. of EEE  
JNTUH CEH, Hyderabad

#### v. National Workshop on "AICTE Mandate- Examination Reforms – Outcome Based Teaching, Learning and Assessment Strategies"

##### Coordinators

Dr. G.K. Viswanadh  
Professor of Civil Engg &  
Director, UGC-HRDC,  
JNTUH

Dr.V. Kamakshi Prasad  
Professor of CSE &  
Director of Evaluation,  
JNTUH

##### Co-Coordinator

Dr. K. Naga Sujatha  
Professor of EEE &  
Dy. Director, UGC-HRDC,  
JNTUH



Lighting of Lamp by Dr. N. Yadaiah, Registrar, JNTUH in the Inaugural function of three day National Workshop on "AICTE Mandate-Examination Reforms-Outcome Based Teaching, Learning and Assessment Strategies"

#### FDP on "Power Systems"

AICTE sponsored Faculty Development Programme on "Power Systems" was held from 23-09-2019 to 27-09-2019. A total number of 41 teacher participants attended the programme from various Institutions across the state.



Experts were drawn from IIT Hyderabad, NIT Warangal, IIIT Hyderabad, TSSPDCL and other prestigious institutions. The course focussed on the topics such as overview of Indian Power Sector, Campus Energy Monitoring System, Cost benefit analysis of rooftop PU systems, Generation Technologies, DC & AC distribution systems etc.



#### National Workshop under TEQIP-III

A three-day National Workshop on "AICTE Mandate-Examination Reforms-Outcome Based Teaching, Learning and Assessment Strategies" was held during 25-09-2019 and 27-09-2019 under TEQIP-III of JNTUH.

Prof. B.V. Appa Rao, Retd. Professor of Chemistry, NIT, Warangal, explained Bloom's Taxonomy of Learning in the three domains of learning – Cognitive, Psychomotor and Affective domain and modern student-centered teaching learning in order to enhance the quality of education. The participants formulated the learning outcomes for one unit of the course being taught by them in the cognitive domain and also designed question papers in theory courses in accordance with the learning outcomes.





### Refresher Course on “Research Methodology”

To familiarise the teaching faculty on various aspects of Research Methodology, the HRDC conducted a two-week RC from 14-10-2019 to 26-10-2019. The members of the faculty from the states of Kerala, Maharashtra, Assam, Madhya Pradesh, Andhra Pradesh and Telangana participated in the course.



#### Visit to Rain Water Harvesting project in JNTUH

In order to improve the research skills of the faculty, the course focussed on the topics such as overview and dimensions of RM, research article and thesis writing, presentation techniques, funding opportunities to scholars, research proposal writing and ethics in research. As part of the evaluation, the participants have worked on research proposal writing and submitted the project proposals.

### Refresher Course on “Artificial Intelligence and Machine Learning”

A two-week Refresher Course on “AI & ML” was held during 14-10-2019 and 26-10-2019. The access to very large databases, combined with ever-increasing computation speed, has paved the way for the development of new Artificial Intelligence tools, which have sparked a revolutionary change in industry and services.

Experts from Industry, Academia and R & D organizations have delivered their talks to make the participants aware of various topics related to AI, ML and other related research challenges.



Seminar Presentations by the participants



Dussehra celebrations at UGC-HRDC, JNTUH

October 2019...

### i. RC – Research Methodology

#### Coordinator

*Dr. G.K. Viswanadh  
Professor of Civil Engineering &  
Director, UGC-HRDC, JNTUH*

### ii. RC – Artificial Intelligence and Machine Learning

#### Coordinator

*Dr. K. ShahuChhatrapati  
Professor & Head, Dept. of CSE  
JNTUH CEM, Manthani*

**November 2019...**

**i. FDP – Artificial Neural Networks and Deep Learning**

**Coordinator**

**Dr. K. Anitha Sheela**  
Professor & Head, Dept. of  
ECE  
JNTUH CEH, Hyderabad

**ii. RC – Advances in Thermal Engineering**

**Coordinators**

**Dr. P. Bhramara**  
Professor  
Dept. of Mechanical Engg.,  
JNTUH CEH, Hyderabad

**Dr.A.V.S.S.K.S. Gupta**  
Professor & Head  
Dept. of Mechanical Engg.,  
JNTUH CEH, Hyderabad

**UGC-Human Resource Development Centre, JNTUH**



**FDP on “Artificial Intelligence and Deep Learning**

AICTE sponsored Faculty Development Programme on “Artificial Neural Networks and Deep Learning” was held from 04-11-2019 to 08-11-2019. The Resource Persons from IIIT-H, HCU, OU, JNTUH and other prestigious institutions enlightened the participants on various recent research developments and diversified applications of ANN & DL in different fields. The faculty members were empowered with knowledge and skills of several tools and techniques of ANN & DL models by using hands-on sessions with different software packages.



**Refresher Course on “Advances in Thermal Engineering”**



A two-week Refresher Course on “Advances in Thermal Engineering” was held during 18-11-2019 and 30-11-2019. The course is aimed at enlightening the faculty members of Mechanical Engineering with various topics on Advances in thermal power plants, Optimization of thermal systems, Experiments in fluid Mechanics, Mathematical Modelling and its importance, Design modifications in SI and CI Engines, Finite difference Methods, Thermal engineering applications in Missile Design, Advances in IC Engines etc.,





### RC on “Energy Conservation and Management – Issues and Methodologies”

A two-week Refresher Course on “Energy Conservation and Management: Issues and Methodologies” was held from 18-11-2019 to 30-11-2019.



**Visit to CII-IGBC - The Indian Green Building Council in RC – Energy Conservation and Management**

The participants were exposed to various efficient methods of energy conservation, management techniques and auditing methods. The experts emphasized on alternative methods to overcome the energy crisis using alternative energy sources, Green Energy etc. Hands-on sessions were also conducted on Design of Energy Efficient Power Converters using PowerForge Tool, Developing Energy Efficient Rotating Machines using JMAG Softwares, Renewable Energy Modelling and Analysis with EMTP-RV software etc.



### Short Term Course on “Technology Enhanced Learning for Academic Administrators – Head of the Departments”

A three-day Short Term Course on “Technology Enhanced Learning for Academic Administrators” was held from 18-11-2019 to 20-11-2019.

The senior faculty members and Head of the Department from various colleges and Universities participated in the Course.

Dr. K. Srinivas, Head ICT & Project Management Unit, National Institute of Educational Planning and Administration (NIEPA), New Delhi, has created awareness among the faculty members on various Digital Initiatives of GOI in Higher Education and Learner Centric MOOC Pedagogy & Flipped Learning Pedagogy.

The participants enriched their knowledge with different Tools and softwares for education and also had a hands-on experience in designing and developing a MOOC course with moodle platform.



**November 2019...**

### iii. RC – Energy Conservation and Management – Issues and Methodologies

#### Coordinator

*Dr. K. Naga Sujatha  
Professor of EEE &  
Dy. Director, UGC-HRDC,  
JNTUH*

### iv. STC - Technology Enhanced Learning for Academic Administrators

#### Coordinator

*Dr. G.K. Viswanadh  
Professor of Civil Engg &  
Director, UGC-HRDC, JNTUH*



**Address by Dr. K. Srinivas, Head, ICT & Project Management Unit, NIEPA, New Delhi in the Inaugural Session of STC- Technology Enhanced Learning for Academic Administrators**

December 2019...

### i. FDP – Engineering Chemistry

#### Coordinators

*Dr.M. Thirumala Chary  
Professor & Head,  
Dept. of Chemistry  
JNTUH CEH, Hyderabad*

*Dr. Ch. Venkata Ramana Reddy  
Professor of Chemistry &  
Director  
UIIC, JNTUH, Hyderabad*

### ii. FDP – Artificial Intelligence

#### Coordinator

*Dr. Supreethi K.P.  
Professor, Dept. of CSE  
JNTUH CEH, Hyderabad*

## UGC-Human Resource Development Centre, JNTUH

### FDP- Engineering Chemistry

AICTE sponsored Faculty Development Programme on “Engineering Chemistry” was held from 02-12-2019 to 06-12-2019.



In accordance with the revised curriculum made by AICTE in the syllabus of Engineering Chemistry, the JNTUH HRDC conducted Faculty Development Programme on “Engineering Chemistry” from 02-12-2019 to 06-12-2019 for the Chemistry faculty of affiliated colleges of JNTUH, with an aim to update the subject knowledge and prepare them with new ways to explain some typical concepts.

The resource persons were chosen from the reputed organizations like NIT Warangal, HCU, OU and IIT. The topics chosen for the training includes Molecular Structure and Theories of Bonding, Water and its treatment, Electrochemistry and Corrosion, Stereochemistry, Reaction Mechanism and Synthesis of drug molecules and Spectroscopic techniques and applications.

### FDP – Artificial Intelligence



AICTE sponsored FDP on “Artificial Intelligence” was held from 02-12-2019 to 06-12-2019.

Artificial Intelligence is the backbone of all smart devices and applications available in the market, which every computer science graduate ought to be equipped with this knowledge. There is a great need of this FDP, as majority of the students are opting for this elective subject. Resource persons were invited from prestigious institutions like IIT Hyderabad, NIT Warangal, University of Hyderabad and JNTUH.





## UGC-Human Resource Development Centre, JNTUH

### RC – English Language Teaching

A two-week “Refresher Course on English Language Teaching” was held from 02-12-2019 to 14-02-2019. A total number of 35 teachers of English participated in the course from the states of Karnataka, Maharashtra, Tamilnadu, Kerala, Assam, New Delhi and Andhra Pradesh.



This programme has created a platform for practising teachers of English to revisit the concepts of English Language Teaching as part of their Continuous Professional Development. The course focused on various nuances of teaching basic language skills and exposing the teachers of English to interdisciplinary areas of Research and thrust areas in ELT such as

- Teaching Language through Literature
- Introduction to Neurolinguistics
- Designing Task Based Materials
- Teaching Learning Process
- Assessment, Testing and Evaluation
- Error Analysis in Teaching & Learning in English Language
- Developing Critical Thinking Skills
- Innovation in English Language Training
- Teacher Effectiveness by Integrating Human Values and Professional Ethics

### RC “Drug and Drug Delivery Research – A Recent Advancement”

A two-week Refresher Course on “Drug and Drug Delivery Research: A Recent Advancement” was held from 05-12-2019 to 18-12-2019, for the faculty of Pharmacy, Chemistry, Biotechnology and related disciplines.

The resource persons are drawn from various Pharmacy Colleges, NIPER and Pharma Industry.

### STC – Skill Enhancement for Non-Teaching Staff

The HRDC, JNTUH organized a three-day Short Term Course on “Skill Enhancement for Non-Teaching Staff” for the administrative officers and staff of the Universities and Colleges. The aim of the course is to improve the Computer Skills, Communication Skills, Noting & Drafting Skills, and to enhance the knowledge on various disciplinary procedures, Accounting, Budget, Legal matters, Maintenance of records in the advent of RTI Act 2005, Code of Conduct rules, Leave rules, Pay fixation, Audit objections and File management, to the non-teaching staff of the Universities/ Colleges.



The participants were also trained on Accounting Software package – Tally and intermediate and advanced features of MS Office etc.

### STC on Raising Awareness in Laboratory Soil Testing for Better Teaching and Practice to the Young Faculty



Prof. M.R. Madhav, Retd. Professor, IIT Kanpur addressed the participants in the STC

## December 2019...

### iii. RC – English Language Teaching

#### Coordinator

Dr. N.V.S.N. Lakshmi  
Asst. Professor of English  
Dept. of H & SS, JNTUH CEH  
Hyderabad

### iv. RC – Drug and Drug Delivery Research – A Recent Advancement

#### Coordinator

Dr.S. Shobha Rani  
Assoc. Professor & Head  
CPS, IST, JNTUH

### v. STC – Skill Enhancement for Non-Teaching Staff

#### Coordinator

Dr. G.K. Viswanadh  
Professor of Civil Engg &  
Director, UGC-HRDC, JNTUH

### vi. STC – Raising awareness on Laboratory Soil Testing for better Teaching and Practice to the Young Faculty

#### Coordinator

Dr. N. Darga Kumar  
Asst. Professor & Head,  
Dept. of Civil Engg.,  
JNTUHCEM  
Manthani

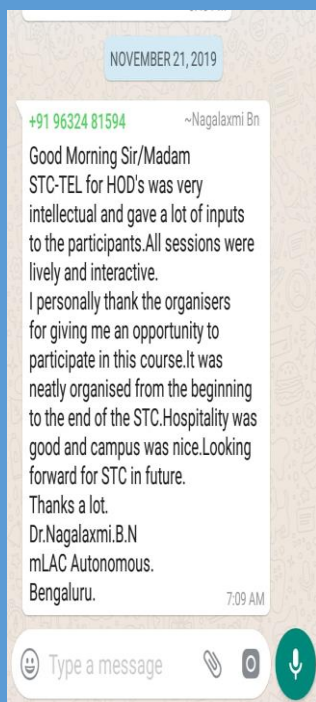
Dr. M. Padmavathi  
Assoc. Professor  
Dept. of Civil Engg.,  
JNTUH CEH, Hyderabad

## UGC-Human Resource Development Centre, JNTUH

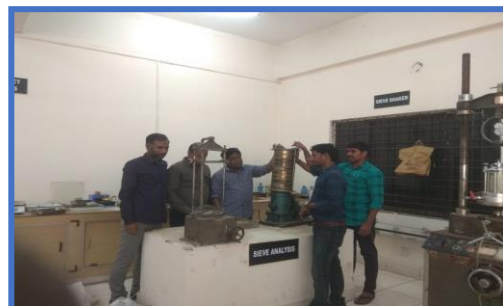
The one-week Short Term Course on "Raising Awareness on Laboratory Soil Testing for Better Teaching and Practice to the Young Faculty" was aimed to provide skills on the interpretation of engineering and physical properties of soil through laboratory testing.

The young faculty members who had attended this course were refreshed in terms of conducting laboratory soil tests and interpretation of results. This STC obviously imparted the necessary skills to the Young Faculty in terms of confident teaching and better practice of geotechnical testing techniques.

### Feedback from participants...



**Address by Dr. G.K. Viswanadh, Director  
UGC-HRDC in the Inaugural session**

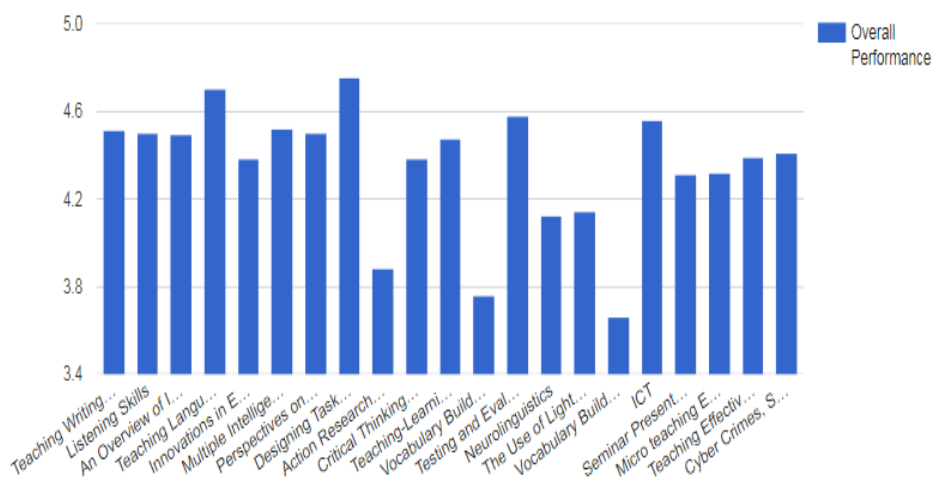


**Testing of Soil in Geotechnical  
Engineering Laboratory**

### ❖ **ONLINE FEEDBACK**

To analyse individual responses and to assess the training conducted for the participants, this academic year HRDC introduced online feedback system to adopt more innovative training methods for overall development and knowledge upgradation of the faculty.

### Session wise feedback of Refresher Course in English Language Teaching





## UGC-Human Resource Development Centre, JNTUH

On behalf of all the participants of Refresher Course in ELT, we thank the Director and team of HRDC for their constant support in making it fruitful. If JNTUH is a beautiful garden, HRDC is a big ficus banyan tree under which different saplings from different parts of India are brought together on 02-12-2019 and from then our coordinator, a meticulous gardener, started nurturing us with great care and concern by providing needed nutrients (resourceful resource persons) at needed time. Light showers from our renowned personalities who were chosen from Outstanding Institutions enriched knowledge. They helped us to blossom profusely. Now, we are going to our homes with these beautiful flowers. We promise you that our students will enjoy this fragrance. Thanks a lot for the wonderful opportunity.

--- **Dr.Madhuri Datla**

Lecturer, Dept. of English

Govt. Degree College, Cheepurupalli, A.P.  
Participant of RC-English Language Teaching

It was one of the most memorable & cherishable moments of my life I spent at HRDC JNTUH Hyderabad for the kind of hospitality and most importantly becoming better teacher by acquainting knowledge, my heartfelt thanks to the Organizers.

--- **Yathish N.A**

Asst. Professor, Dept. of Computer Science  
GFGC, Hirekerur, Karnataka  
Participant of 54<sup>th</sup> Orientation Programme

JNTUH UGC HRDC is more active than any other HRD Centers in India. I really was worried about spending 26 days in one place just listening to others. But to my surprise it was an amazing experience. The web of resource persons, hospitality, technical assistance, Infrastructure etc.... everything was so perfect that we couldn't expect more than this.

---**Dr. K. Shrinivas**

Assistant Professor, Dept. of English  
GFGC, Dist. Udupi, Karnataka  
Participant of 56<sup>th</sup> Orientation Programme

## Testimonials...

+91 94826 04378 ~Dr. Shrinivas K  
This message was deleted 5:23 PM

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5:24 PM

Type a message

FDP on ANN & DL at J...  
Dr. Anitha Shila, Dr. GK Viswanadh...

Good morning to all. Regarding our 5 day FDP, all the Theory and Lab sessions are very interactive and informative. I gained lot of knowledge from this FDP. With this Knowledge, I want to continue my research in CNN and RNN and publish papers in quality journals. I have long association with Viswanath sir and Anitha Sheela mam and I like them. I thank Viswanadh sir and Anitha Sheela mam for giving me the opportunity to attend this FDP. Thanks to one and all.  
Dr. K. Anuradha, professor of CSE, GRIET.

6:38 AM



## UGC-Human Resource Development Centre, JNTUH

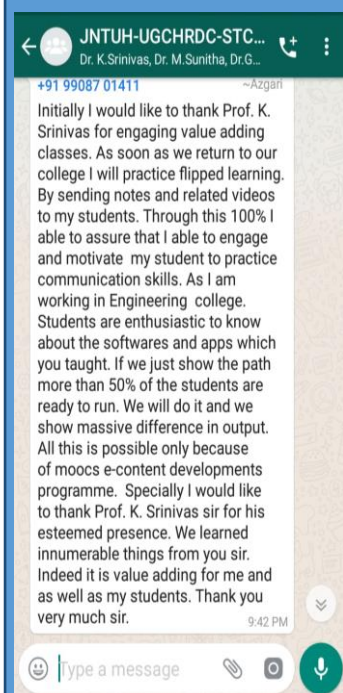






## Training Programmes organized for the year 2019-20 till now....

### Feedback from participants...



Contd...

## UGC-Human Resource Development Centre, JNTUH

### Training Programmes organized for the year 2019 – 20 (May 2019 to December 2019)

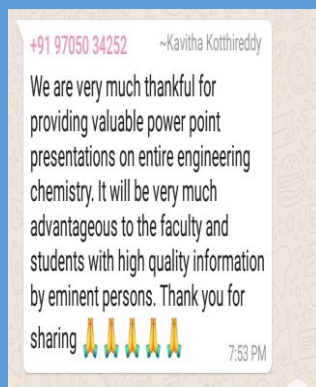
#### UGC SPONSORED COURSES

S No	Name of the courses	Schedule		Number of Participants	Participants from different States
		From	To		
Orientation Programmes					
1	54th Orientation Programme	13.05.2019	01.06.2019	36	Karnataka and Telangana States
2	55th Orientation Programme	08.07.2019	27.07.2019	33	Karnataka and Kerala
3	56th Orientation Programme	05.08.2019	29.08.2019	33	Karnataka
Refresher Courses:					
4	Drug discovery and formulation development	20.05.2019	01.06.2019	38	Maharashtra, Andhra Pradesh and Telangana States
5	Advances in Thermal Engineering	18.11.2019	30.11.2019	20	Andhra Pradesh and Telangana States
6	Energy Conservation and Management – Issues and Methodologies	18.11.2019	30.11.2019	21	Andhra Pradesh and Telangana States
7	English Language Teaching	02.12.2019	14.12.2019	35	Maharashtra, Karnataka, Tamilnadu, Kerala, Assam, New Delhi and Andhra Pradesh
Interdisciplinary Refresher Courses:					
8	Advances in Material Science and Applications	15.07.2019	27.07.2019	33	Maharashtra, Karnataka, Kerala, Delhi, Andhra Pradesh and Telangana States.
9	Research Methodology	14.10.2019	26.10.2019	27	Maharashtra, Kerala, Assam, Madyapradesh, Andhra Pradesh and Telangana States.
10	Artificial Intelligence and Machine Learning	14.10.2019	26.10.2019	20	Maharashtra, Karnataka, Jammu Kashmir, Haryana, MadyaparadeshAndhra Pradesh and Telangana States
11	Drug and Drug Delivery Research : A recent advancement	05.12.2019	18.12.2019	31	Maharashtra, Andhra Pradesh and Telangana States
Short Term Courses:					
12	Materials Science and Applications	27.05.2019	01.06.2019	42	Maharashtra, Kerala, Andhra Pradesh and Telangana States
13	Changing face of Pharmaceutical Research in present global scenario	10.06.2019	15.06.2019	36	Maharashtra and Telangana States
14	Soft Skills and Professional Ethics	26.08.2019	31.08.2019	34	Maharashtra, Karnataka, Andhra Pradesh and Telangana States



## Training Programmes organized for the year 2019-20 till now....

### Feedback from participants...



A total number of 1151 members of faculty from various departments of Engineering, Sciences, Arts, Commerce and Management of various Engineering and Degree Colleges, all over the Country have been trained during this Academic Year till December 2019.

## UGC-Human Resource Development Centre, JNTUH

S. No	Name of the Course	Schedule		Number of participants	Participants from different States
		From	To		
15	Ground Improvement Methods and Assessment of their Quality Control	16.09.2019	21.09.2019	20	Andhra Pradesh and Telanga States
16	Academy – Industry Collaboration Development for Pharmaceutical Research	19.09.2019	21.09.2019	38	Maharashtra and Telangana State
17	One Day Principals Meet	27.09.2019		79	Karnataka and Telangana States
18	Technology Enhanced Learning for Academic Administrators	18.11.2019	20.11.2019	28	Karnataka, Tamilnadu and Telangana States
19	Skill Enhancement for Non-teaching Staff	02.12.2019	04.12.2019	30	Telangana State
20	Raising Awareness on Laboratory Soil Testing for Better Teaching and Practice to the Young Faculty	09.12.2019	14.12.2019	20	Maharashtra, Kerala, Andhra Pradesh and Telangana States
<b>AICTE SPONSORED COURSES</b>					
21	Programming for Problem Solving – A Pedagogical Approach	22.07.2019	26.07.2019	44	Telangana State
22	Research Methodology and IPR	05.08.2019	09.08.2019	43	Telangana State
23	Power Systems	23.09.2019	27.09.2019	41	Telangana State
24	Artificial Neural Networks & Deep Learning	04.11.2019	08.11.2019	49	Telangana State
25	Engineering Chemistry	02.12.2019	06.12.2019	31	Telangana State
26	Artificial Intelligence	02.12.2019	06.12.2019	48	Telangana State
<b>TEQIP-III of JNTUH SPONSORED COURSES</b>					
27	Pedagogical Perspectives of SWAYAM – MOOCs	15.05.2019	16.05.2019	90	Telangana State
28	Impact of Autonomy in Higher Education Institutions	27-07-2019		76	Karnataka, Chattisgarh and Telangana States
29	AICTE Mandate – Examination Reforms – Outcome Based Teaching, Learning & Assessment Strategies	25.09.2019	27.09.2019	75	Maharashtra and Telangana States
<b>Workshop for DGMs (E) &amp; Managers (E) of HMWSSB</b>					
30	Developing Trends in Water Supply System	08.05.2019	09.05.2019	42	Telangana State

**Training Programmes to be organized for the year 2019-20  
(January 2020–March 2020)**

S. No	Name of the Course	Date	
		From	To
January 2020			
1	STC -E-Learning Tools and Techniques for Effective Teaching	06.01.2020	08.01.2020
2	57th Orientation Programme	20.01.2020	08.02.2020
3	STC - Disaster Management	20.01.2020	25.01.2020
4	AICTE FDP - Block Chain Technology	27.01.2020	31.01.2020
5	AICTE FDP -Hydraulics and Hydraulic Machines	27.01.2020	31.01.2020
February 2020			
6	STC - Computational Methods in Thermal Engineering	03.02.2020	08.02.2020
7	STC - Gender Sensitization	03.02.2020	08.02.2020
8	AICTE FDP - Foundation Engineering	03.02.2020	07.02.2020
9	STC - MOOCs, e-Content Development and Open Educational Resources	10.02.2020	12.02.2020
10	STC - Modern Principles in Nano-Technology – Present & Future prospects	10.02.2020	15.02.2020
11	Interaction Programme for Research Scholars	10.02.2020	15.02.2020
March 2020			
12	RC - GIS and its Applications	02.03.2020	14.03.2020
13	RC - Advances in Transportation and Highway Engineering	02.03.2020	14.03.2020
14	STC - Teacher Educators	02.03.2020	04.03.2020
15	AICTE FDP - Advances in Power Systems	02.03.2020	06.03.2020
16	STC - Water Resources Systems Applications	09.03.2020	14.03.2020

**Address for all Correspondence**

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**Director**

**UGC – Human Resource Development Centre**

**JNTU Hyderabad**

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**e-mail: directorhrdcjntuh@jntuh.ac.in**

**web: www.jntuhhrdc.in**

**Feedback from participants...**

