NEWSLETTER

July 2020 to December

UGC-Human Resource Development Centre JNTUH

Vision:

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

Mission:

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.

The UGC Human Resource Development Centre of JNTUH has been supporting current digital pedagogies and organizing several programmes through online even during this pandemic period. Preparing a proficient generation of teachers in Higher Education is possible only through a systematic and well planned in-service teacher training, by equipping them with the latest advancements in the education, curriculum, pedagogical strategies and technology along with the values and integrity.

The HRDC of JNTUH is giving special emphasis on the above to train the faculty members of Higher Education for their professional development.

--- **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 2020-21has 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, Faculty Induction Programme, Refresher Courses, Short Term Courses, Workshops, Faculty Development Programmes for the members of the Faculty. We have received approval for 38 courses from University Grants Commission for the year 2020-21, out of which 21 courses have been conducted successfully from July 2020 to December 2020.

As per the MoU between AICTE, New Delhi and JNTUH to conduct Joint Short Term Training Programmes, the University has successfully conducted 11 programmes for the year 2019-20 and sent proposals for 25 programmes to AICTE, New Delhi to conduct during the year 2020-21

The HRDC also conducted 1 day Webinar on NAAC Assessment And Accreditation Process. With this Newsletter, I am pleased to report the detailed activities of UGC-HRDC from July 2020 to December 2020.

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 2020-21.

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

UGC-HRDC , JNTUH STAFF

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

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

Sri. C.V. Subramanyam
Assistant Registrar

Sri. Md. Shameem Pasha
Junior Assistant

Technical Officer

Smt. Ch. Uma

Technical Team

Smt. G. Kavitha

Sri. B. Chiranjeevi

Sri. M. Vijay Bharath Reddy

Smt. M. Aruna

Sri. N. Kanaka Swamy

Smt. K. Durga

Sri. B. Mangilal

Sri. Y. Vamshi

UGC-Human Resource Development Centre, JNTUH

UGC-HRDC, JNTUH organising UGC sanctioned (diversified) programmes, AICTE sponsored programmes, TEQIP sponsored programmes, Outreach Programmes and other Self-Financing programmes. We successfully conducted 21 programmes during July 2020 to December 2020.

A Total number of 2022 faculty members participated in the courses from all over the Country July 2020 to December 2020.

- To explore the online Open Educational Resources and other Digital tools for creating active learning environment, the UGC-HRDC, JNTUH has initiated Online programmes to train the faculty members of Engineering and Degree Colleges all over India since April 2020

- Incorporated Interactive Teaching Learning Methods like Project Based Learning, Case Studies Based Learning, Interactive Game Based Learning, Group Discussions, Yoga practical sessions, Universal Human Values Sessions etc., in all the courses

- Automation was initiated for participant registrations, payment of registration fee, assignment submission etc.

- Online Feedback system has been implemented for each and every session on daily basis to evaluate Resource Persons and the Programmes.

- Implemented Management Information System for Centralized Data Management, **Online Participant Registration** with **Online Payment** Integration, Integrated online Assignment, Feedback, Assessment submission, Attendance Tracking, Automatic reminders for Assignment and Feedback submissions, Automatic Certificate Eligibility Processing / Review, Certificate generation along with Participant **Photo** and **QR Code**, Controlled User Access Management for Participants, HRDC Staff, Program coordinators, Assignment Reviewers and all other stake holders of HRDC, Generating Customized Reports based on Year, Funding Agencies, Program / Course Types, Program Categories etc., Generating the reports of Assignment, Feedback, Assessment and Attendance.

UGC-HRDC, STAFF

UGC-Human Resource Development Centre, JNTUH

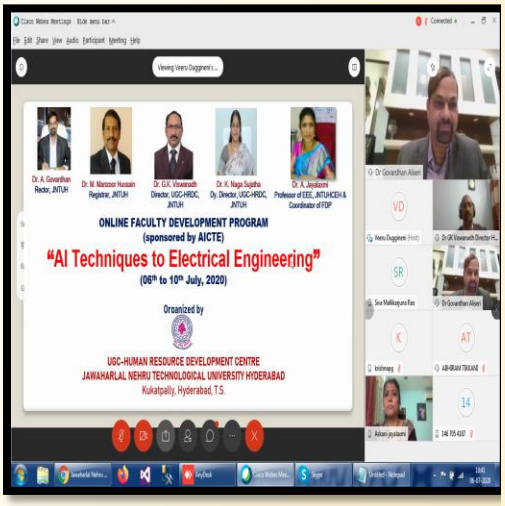
One Day Webinar On "NAAC Assessment and Accreditation Process"

HRDC organized one day online Webinar on "NAAC Assessment And Accreditation Process:" was held on 03-07-2020. A total of 612 participants registered from the states of Telangana, Karnataka, Maharashtra, Uttar Pradesh, Tamilnadu, Andhra Pradesh and Kerala attended the programme. The main theme of NAAC Assessment and Accreditation Process". Dr. M.S. Shyamasundar, Adviser, NAAC, addressed the participants on the development and NAAC, IIQA, SSR Submission & DVV Process and Student Satisfaction Survey, Logistics & Peer Team Visit etc.,

Dr. G.K. Viswanadh, Professor of Civil Engineering & Director, UGC-HRDC, JNTUH, addressed the participants in the Inaugural

Online Faculty Development Program (Sponsored By AICTE) "AI Techniques To Electrical Engineering"

A Faculty Development Programme On "AI Techniques To Electrical Engineering" Was held from 06-07-2020 to 10-07-2020. The main content of the course is Artificial Neural Networks and its applications, Fuzzy logic and its applications, Soft computing techniques like Genetic Algorithm (GA), Particle Swarm Optimization (PSO) and BAT algorithm etc. A total of 132 participants registered from the states of Telangana, Andhra Pradesh, Tamil Nadu, Bihar and Uttar Pradesh attended the programme.



Dr. A. Govardhan, Professor of CSE & Rector, JNTUH, addressed the participants in the Inaugural

The experts delivered the sessions on Fuzzy Logic – Concepts, Applications, Hands on exposure to ANN using MATLAB, Optimization Techniques in Electrical Engineering and Introduction to Machine Learning and Its applications in Electrical Engineering etc., The complete one week intensive program inducted better means and strategies to be followed by Teachers for improved understanding of students.

July, 2020…

One Day "Webinar on NAAC Assessment and Accreditation Process"

- **Coordinator:**
  Dr. G.K. Viswanadh

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

Online Faculty Development Program (Sponsored By AICTE) "AI Techniques To Electrical Engineering"

- **Coordinator:**
  Dr. A. Jaya Laxmi

Coordinator:
Dr. A. Jaya Laxmi
Professor, Dept. of EEE
JNTUH, Hyderabad

July, 2020…

Online STC on "MOOCs, e-Content Development and Open Educational Resources"

- **Coordinator:**

Dr. G.K. Viswanadh

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

Online Short Term Course on "Outcome Based Education:Curriculum Design, Teaching, Learning and Assessment Strategies"

- **Coordinator:**

Dr. G.K. Viswanadh

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

UGC-Human Resource Development Centre, JNTUH

Online Short Term Course on "Moocs, E-Content Development And Open Educational Resources"

Dr. G.K. Viswanadh, Professor of Civil Engineering & Director, UGC-HRDC, JNTUH, addressed the participants in the Inaugural

A One Week Online Short Term course on "Moocs, E-Content Development and Open Educational Resources" was held from 13-07-2020 to 18-07-2020.

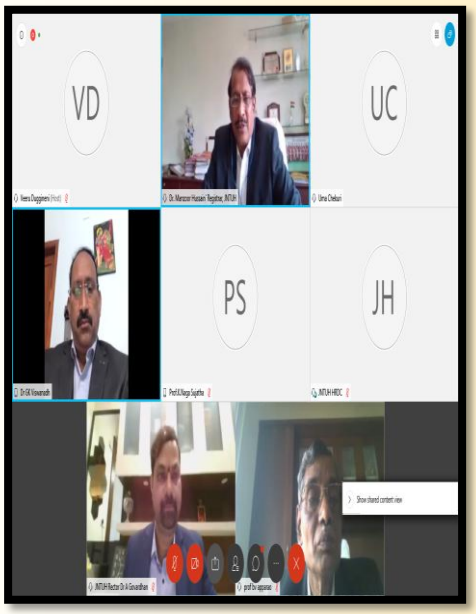
The participants trained on various topics:

- Open Eduction
- Open courses (from OCW to MOOCs)
- Open pedagogy and open educ practices (OEPs)
- Overview of Learning with MOOCs
- Strategies/Models for MOOCs: video/content creation etc.

A total of 261 participants registered from the states of Telangana, Andhra Pradesh, Maharashtra, Karnataka, Tamil Nadu, Assam, Madhya Pradesh, Jammu Khasmir and Odisha attended the programme.

Online Short Term Course on "Outcome Based Education: Curriculum Design, Teaching, Learning and Assessment Strategies"

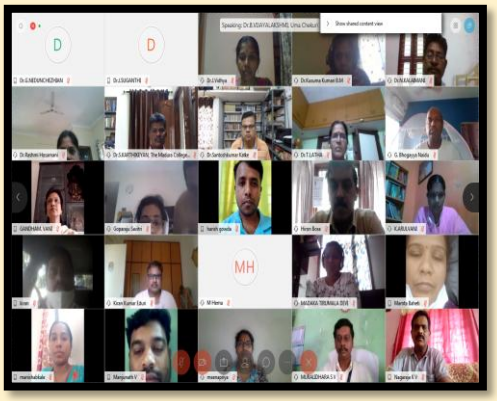
A One-week Online Short Term Course on "Outcome Based Education: Curriculum Design, Teaching, Learning and Assessment Strategies" was held from 21-07-2020 to 27-07-2020. The course focused on various topics such as Outcome-based Education: Curriculum Design, Bloom's Taxonomy of learning levels, Formulation of learning outcomes and guidelines. A total of 130 participants registered from the states of Maharashtra, Karnataka, Telangana, Andhra Pradesh, Tamilnadu, Uttar Pradesh, Assam, Jammu Khasmir and Odisha attended the programme.



Dr. M. Manzoor Hussain
Professor of Mechanical Engineering & Registrar, JNTUH, addressed the Participants in the Inaugural

One day Webinar on "Prospects And Challenges of Engineering Graduates Post Covid"

The HRDC organized one day online Webinar On "Prospects And Challenges Of Engineering Graduates Post Covid" held on 05-08-2020. A total of 200 Students registered from the state of Telangana attended the programme.



Sri Jayesh Ranjan IAS In-Charge Vice-Chancellor, JNTUH, Hyderabad.

Ms. Parveen Ahmed Head, TCS Talent Acquisition Group, AP and Telangana region

Mr. Karthik Abhirama Krishna Campus Recruitment Lead, TCS Hyderabad region

Dr. C. Veerender Psychologist & Motivational Speaker, Hyderabad.

Online "Faculty Induction Programme-I"

A one month "Faculty Induction Programme – I" was organized from 03-08-2020 to 10-09-2020. The participants were faculty members from Engineering and Degree Colleges all over the India, from the different disciplines participated in the programme. A total of 40 participants registered from the states of Gujarat, Telangana, Andhra Pradesh, Kerala, West Bengal and Odisha attended the programme.

The course focused on various topics such as

- 'Bloom's taxonomy of Learning Levels in cognitive,
- psychomotor and affective domains', Understanding stress and its impact at different levels,
- Managing Stress and Time Management.

Inaugural session of Faculty Induction Programme-I

Dr. G. Tulasi Ram Das, Professor of EEE, JNTUHCEH & Former Vice -Chancellor, JNTUK delivered Session on Quantitative qualitative and mixed methods of research

August, 2020…

Webinar on "Prospects and Challenges of Engineering Graduates Post Covid"

- **Coordinator:**

Dr. G.K. Viswanadh

Online "Faculty Induction Programme-I"

Coordinator:

Dr. G.K. Viswanadh

Professor of Civil Engg & Director

UGC-HRDC, JNTUH

UGC-Human Resource Development Centre, JNTUH

Online Interdisciplinary Refresher Course On "Internet Of Things"

➢ **Coordinator:**

Dr. B.V. Ram Naresh Yadav

Dr. B.V. Ram Naresh Yadav
Assoc. Professor,
Dept. of CSE, JNTUH CES,
Sultanpur, T.S.

Online Short Term Course on "Deep Learning"

➢ **Coordinators:**

Dr. K. Shahu Chatrapati
Professor & Head, Dept. of CSE JNTUH CEM, Manthani, T.S.

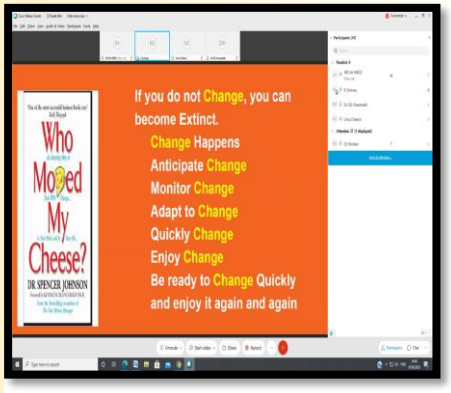
Dr. P. Swetha
Professor, Dept. of CSE
JNTUH CEJ, Jagityal, T.S.

Online Interdisciplinary Refresher Course on "Internet Of Things":

A two-week Refresher Course on "Internet of Things" was organized from 07-09-2020 to 19-09-2020. The faculty members of CSE, ECE, EEE and IT related disciplines all over india. A total of 60 participants registered from the states of Telangana, Andhra Pradesh, Maharashtra, Uttar Pradesh, Karnataka and Tamil Nadu attended the programme.

The course focused on the varies topics

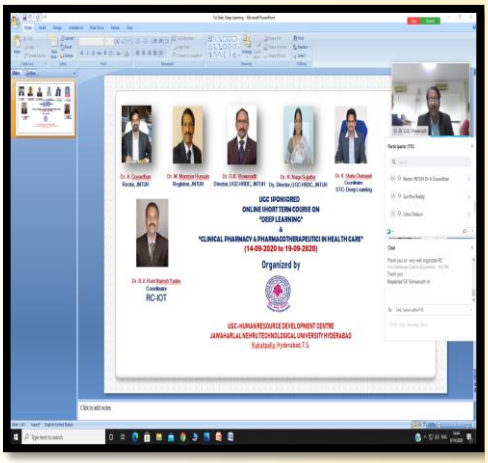
- Networking Technologies for IoT
- Home Automation using IoT, Networking Technologies for IoT
- Python programming for Raspberrypi
- IoT Programming using Aurdino and Industrial IoT on Google cloud platform etc.



Dr. E. Suresh Babu, Assistant Professor, Dept. of CSE, NIT Warangal, delivered session on IoT Architectures, Application and Challenges & Protocol Stack of IoT using Conti (Hands on Session).

Online Short Term Course on "Deep Learning"

A one-Week Online Short Term Course On "Deep Learning" was held from 14-09-2020 to 19-09-2020. The experts delivered the sessions on Essentials of Machine Learning-Supervised Learning, Object Detection & Recognition using DL, A case study of Poverty Prediction using Satellite Imagery and Language Model word 2 Vec, Glore and Doc 2 etc., A total of 23 participants registered from the states Telangana, Andhra Pradesh, Maharashtra, Delhi, Jammu and Kashmir, Kerala, Uttarakhand and Karnataka attended to the Programme. through which the teachers could effectively conduct the online session interactions.



Dr. M. Manzoor Hussain Professor of Mechanical Engineering & Registrar, JNTUH, addressed the Participants in the valedictory

By Dr. V. Kamakshi Prasad Director of Evaluation JNTU, Hyderabad T.S., delivered session on Introduction to Deep Learning.

Online STC on "Clinical Pharmacy & Pharmacotherapeutics in Healthcare"

Online STC on "Clinical Pharmacy & Pharmacotherapeutics in Healthcare" course Valedictory session

A one week online Short Term Course on "Clinical Pharmacy & Pharmacotherapeutics in Healthcare" was held from 14-09-2020 to 19-09-2020. A tota of 35l registered participants from the states of Telangana, Maharashtra, Karnataka, Tamilnadu and Gujarat attended the programme. The experts delivered the sessions on Update on new drugs and Clinical Trials 2019 (Special Focus on GS354(E).dt.5/6.2020, Defining the role of Clinical Pharmacists in diabetes management in inpatient and outpatient Setting, Medical Products Safety Surveillance System-an overview and Drug Safety and its reporting to Regulatory bodies etc.

Online STC on Academy – Industry Collaboration Development for Pharmaceutical Research"

A one Week Short Term Course on "Academy – Industry Collaboration Development for Pharmaceutical Research" was held from 21-09-2020 to 26-09-2020. Main content of the course is Drug Delivery System, Drug Synthesis, Pharmaceutical Formulations, Validation of Drug Molecules and Pytopharmaceutical etc., registered participants 23, from the different states of Telangana, Maharashtra and Karnataka. The experts delivered the sessions on Impact of Artificial Intelligence on Health Care, Importance of Natural Products and their contribution to Health and Society A Hands On Session etc.

Academy – Industry Collaboration Development for Pharmaceutical Research course Inaugural

Majar content of the course such as:

- Drug Delivery Systems
- Drug Synthesis
- Pharmaceutical Formulations
- Validation of Drug Molecules
- Phytopharmaceutical

September, 2020…

Online STC on "Clinical Pharmacy & Pharmacotherapeutics in Healthcare"

➢ **Coordinator:**
Dr. M. Sunitha Reddy

Dr. M. Sunitha Reddy
Assoc. Professor,
Centre for Pharmaceutical Sciences
IST, JNTUH, Hyderabad

Online STC on "Academy – Industry Collaboration Development for Pharmaceutical Research"

➢ **Coordinator:**
Dr. S. Shobha Rani

Dr. S. Shobha Rani
Associate Professor
Centre for Pharmaceutical Sciences, IST, JNTUH, Hyderabad

UGC-Human Resource Development Centre, JNTUH

Online "Faculty Induction Programme-II"

Faculty Induction Programme –II Inagural Session on 21-09-2020

- **Coordinator:**

Dr. G.K. Viswanadh

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

Online "Faculty Induction Programme-II"

A one month online "Faculty Induction Programme-II" organized from 21-09-2020 to 29-10-2020, for the members of the faculty from Engineering and Degree Colleges all over the India. A total of 44 participants registered from the different disciplines participated in the course, from the states of Gujarat, Telangana, Andhra Pradesh, Kerala, West Bengal and Odisha attended the programme.

The course focused on various topics such as:

- Higher Education and its Ecosystem Curriculum Designing, Outcome based
- learning and Choice Based Credit System Teaching, Learning and Assessment
- Technology for Teaching and Assessment of I-generation
- Personal-Emotional Development & Counseling Research Professional Development
- and Academic Leadership Academic Integrity
- Constitutional Values, Human Rights

Dr. G.K. Viswanadh, Director, UGC-HRDC, JNTUH was gave to Momentam to Registrar Dr. M. Manzoor Hussain

UGC-Human Resource Development Centre, JNTUH

Two Week Online Refresher Course On "Soft Computing Techniques Electrical Engineering"

A two week online Refresher Course on "Soft Computing TechniquesElectrical Engineering" was held from 05-10-2020 to 20-10-2020. The faculty member working in various University and Colleges from the all over India. A total of 20 participants registered from states of Telangana, Andhra Pradesh, Uttar Pradesh, West Bengal and Gujarat attended the programme.

Main content of the course:

- AI / Soft Computing Techniques in Electrical Engineering.
- FLC/ANN Types and Applications
- Optimal Operation of Power Systems/Stability.
- Computation of electrical fields in cables.
- Control of converters/Drives using Lab view/FPGA.
- Machine/Deep learning methods.

Address by Dr.K. Naga Sujatha
Prof., of EEE &
Dy.Director, UGC-HRDC,
JNTUH, Hyderabad

Two Week Online Refresher Course on "Drug Discovery and Formulation Development"

A two-week online Refresher Course on "Drug Discovery and Formulation Development" was held from 12-10-2020 to 27-10-2020. The faculty members working in Universities and Colleges from the departments of Pharmacy, Chemistry, Biotechnology, Nanotechnology, Life Sciences and related disciplines. A total of 59 participants registered from the states of Maharashtra, Karnataka, Andhra Pradesh and Telangana State.

The content of the course such as:

- Drug Delivery Systems, Pharmaceutical Formulations
- Phytopharmaceutical, Drug Discovery etc.
- Phytopharmaceutical
- Drug Discovery

Address by Dr. M. Sunitha Reddy
Assoc. Professor,
Centre for Pharmaceutical Sciences
IST, JNTUH, Hyderabad

October 2020…

Two Week Online Refresher Course on "Soft Computing Techniques Electrical Engineering"

- **Coordinators:**

Dr.K. Naga Sujatha

Sri. C. Radha Charan

Dr.K. Naga Sujatha

Sri.C. Radha Charan
Asst.Prof., Dept of EEE JNTUH College of Engg., Jagtial.

Online Refresher Course on "Drug Discovery And Formulation Development"

- **Coordinator:**

Dr. M. Sunitha Reddy

UGC-Human Resource Development Centre, JNTUH

➢ **Coordinator:**
Dr. M.N.Raja Shekar

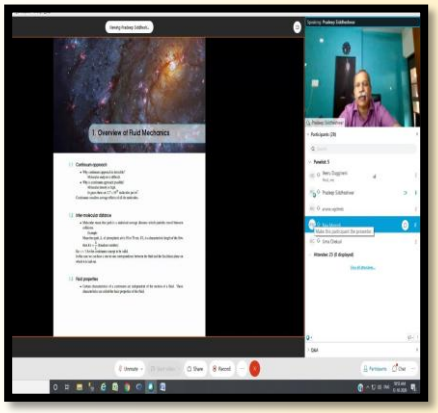
Dr. M.N. Raja Shekar
Professor, Dept. of Mathematics JNTUH College of Engineering, Jagtial
Nachupally (Kondagattu)
Jagtial Dist – 505 501, T.S.

Refresher Course and Short Term Course Inagural Session on 12-10-2020

One Week Online Short Term Course on "MATLAB Applications for Applied Science and Engineering Problems"

A one week Short Term Course on "MATLAB Applications for Applied Science and Engineering Problems" was held from 12-10-2020 to 19-10-2020. The faculty members from the Dept. of Mathematics and all branches of Engineering, working in Universities and Colleges. A total of 45 participants registered from states of Puducherry, Karnataka, Maharashtra, Telangana, Uttar Pradesh, Punjab, Tamil Nadu and West Bengal attended the programme. Main content of the course:

- Introduction to mathematical modeling
- Formulation of the problem solving
- Introduction to MATLAB
- Application to the real world problems using MATLAB
- Hands-on sessions using MATLAB



Dr. P G Siddheshwar, Bangalore University, delivered session on Basics of Fluid Mechanics.

Dr. Anuradha S, Professor and Head PG and Research Department of Mathematics, Coimbatore,Tamilnadu, talk on Applications to real world problems using MATLAB.

Dr. K Srinivas Rao Professor & Head Dept. of Mathematics SCSSVM, Kanchipuram, delivered session on MATLAB Programming

One-Week Online Short Term Course on "Soft Skills and Professional Ethics"

A one week online Short Term Course on "Soft Skills and Professional Ethics" was conducted from 02-11-2020 to 07-11-2020. The course focused on the various topics such as Developing Communication Skills and Soft Skills, Team Building and Leadership Qualities, Soft Skills and Teacher Effectiveness and Human Values and Professional Ethics. A total of 57 participants registered from the states of Telangana, Andhra Pradesh, Karnataka, Maharashtra and Gujarat attended to the programme.

Dr. M. Manzoor Hussain
Professor of Mechanical Engineering & Registrar, JNTUH, addressed the Participants in the Inaugural

Dr. A. Ramakrishna Rao Former Professor & HoD Humanities and Social Sciences, JNTUH CEH, delivered session on English: Problems Faced by Indian Speakers

Dr. Kesava Rao Former Professor & HoD H & SS, NITW, Warangal, T.S., delivered session on Teaching : Profession & Practice

Prof. V. Viswanadham Retd. Professor, O.U, Hyderabad, delivered session on Role of a Teacher in Shaping the Personality of Students.

Online "Faculty Induction Programme-3

Online one month Faculty Induction Programme -3 organized from 02-11-2020 to 08-12-2020. The faculty members of participants from various Engineering and Degree Colleges all over the India. The content of the course Curriculum Designing, Outcome based learning and Choice Based Credit System, Personal-Emotional Development and Counseling, Constitutional Values, Human Rights and Fundamental Duties and Environmental Consciousness and Sustainable Development Goals. A total of 45 participants registered from states of Karnataka, Tamil Nadu, West Bengal, Goa, Kerala, Meghalaya, Maharashtra, Andhra Pradesh, West Bengal, Uttar Pradesh and Chhattisgarh attended the programme.

Dr. G. Tulasi Ram Das Professor of EEE, JNTUHCEH & Former Vice-Chancellor, JNTUK, delivered session on Quality Assurance in Higher Education.

Prof. B.V. Appa Rao Retd. Professor, NIT Warangal & Visiting Professor, HCU Hyderabad, delivered session on Reforms in Higher Education : Challenges and Issues.

November 2020…

Online Short Term Course on - "Soft Skills and Professional Ethics"

➢ **Coordinator:**
Dr. V. Parvathi

Dr. V. Parvathi
Professor of English & Head
Dept. of H & SS, JNTUHCEH

Online "Faculty Induction Programme-3"

➢ **Coordinator:**
Dr. G.K. Viswanadh

November 2020…

Two-week Online Refresher Course on "English Language Teaching"

- **Coordinator:**
  Dr. N.V.S.N. Lakshmi

Dr. N.V.S.N. Lakshmi
Assistant Professor of English
Dept. of H & SS, JNTUHCEH

UGC-Human Resource Development Centre, JNTUH

Refresher courses Inagural Session on 09-11-2020

Two-week Online Refresher Course on "English Language Teaching"

A online two-week "Refresher Course on English Language Teaching" was held from 09-11-2020 to 23-11-2020. A total of 60 participants registered 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
- 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

UGC-Human Resource Development Centre, JNTUH

Two-week Online Refresher Course on "Artificial Intelligence"

A two-week online Refresher Course on "Artificial Intelligence" was held from 09-11-2020 to 23-11-2020. A total of 40 participants registered teachers participated in the course from the states of Telangana, Karnataka, Tamilnadu, West Bengal, Andhra Pradesh, Uttar Pradesh, Rajasthan, Kerala, Jammu and Kashmir, Punjab and Puducherry.

- Introduction to Artificial Intelligence
- Basic Search Techniques
- Heuristic Search Algorithms
- Knowledge ENGINEERING
- Markov Decision Process
- Fuzzy Logic Systems
- Reinforcement Learning
- Machine Learning

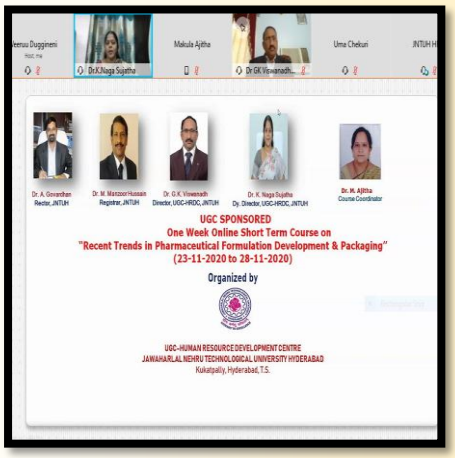
Dr. K V Kadambari Assistant Professor, Dept. of CSE, NIT Warangal, delivered session on 'Mathematical Essentials of Machine Learning & Statistical Learning'.

One-Week Online Short Term Course on "Recent Trends in Pharmaceutical Formulation Development & Packaging"

A one week online Short Term Course on "Recent Trends in Pharmaceutical Formulation Development & Packaging" was conducted from 23-11-2020 to 28-11-2020. A total of 20 participants registered from states of Telangana, Maharashtra, Uttar Pradesh, West Bengal and Odisha attended the programme.

The course focused on the varius topics such as:

- Pharmaceutical Chemistry
- Pharmaceutical Technology
- Analytical Chemistry
- Pharmaceutics and Pharmacology
- Biotechnology and Nanotechnology



Address by Dr. K. Naga Sujatha Professor EEE & Dy. Director of UGC-HRDC, JNTUH in Valedictory Session

November 2020…

Two-week Online Refresher Course on "Artificial Intelligence"

- **Coordinators:**

Dr. K. Shahu Chatrapati
Dr. P. Swetha

Dr. K. Shahu Chatrapati

Dr. P. Swetha Professor,

One-Week Online Short Term Course on "Recent Trends in Pharmaceutical Formulation Development & Packaging"

- **Coordinator:**

Dr. M. Ajitha

Dr. M. Ajitha,
Professor, Centre for Pharmaceutical Sciences, IST, JNTUH, Hyderabad

UGC-Human Resource Development Centre, JNTUH

Two-week Online Refresher Course on "Materials Physics and Materials Science"

- **Coordinator:**

Dr. K. Vijaya Kumar

Dr. K. Vijaya Kumar
Professor of Physics & Coordinator, University Academic Audit Cell, JNTUH, Hyderabad.

Address by Dr. Katta Narasimha Reddy
Former Vice- Chancellor, Mahatma Gandhi University & President TAS.

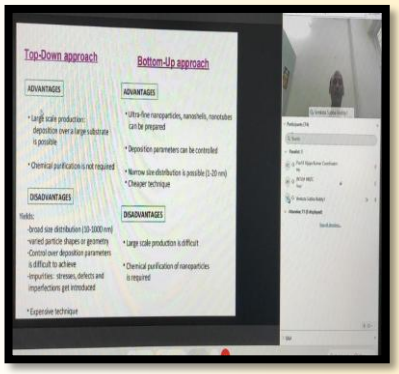
Two-week Online Refresher Course on "Materials Physics and Materials Science"

A two-week online Refresher Course on "Materials Physics and Materials Science" was held from 07-12-2020 to 21-12-2020. This programme has created a platform for practising teachers of Physics, Chemistry & Mechanical Engineering working in Universities and Colleges. A total of 89 participants registered from states of Maharashtra, Karnataka, Kerala, Delhi, Andhra Pradesh and Telangana States, Assam, Chattisgarh, Ewst Bengal, Meghalaya, Tamil Nadu, Odisha and Mizoram, attended to the course.

Session on going group photo

The main contents of the course:

- Materials classification Synthesis methods
- Characterization
- Applications
- Recent developments



Dr. Pradeep Kumar Ramancharla, Professorof Civil Engineering & Registrar, IIITH Hyderabad, delivered session on Human Values & Ethics

Dr. P. Venu Gopal Reddy, Rted. Professor, Osmania University, Hyderabad, delivered the sessions on Superconductor & Meta Materials.

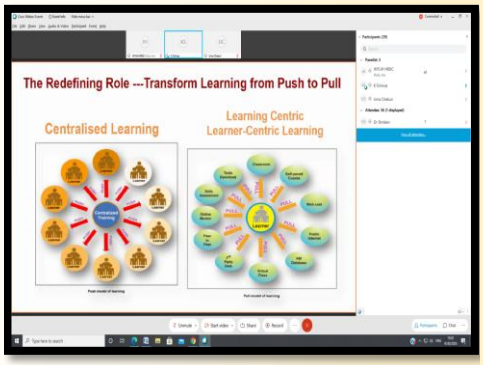
Two-week Online Refresher Courses on "Blockchain Technology" & "Materials Physics and Materials Science" Courses Inaugural

Two-week Online Refresher Course on "Blockchain Technology"

A two-week online Refresher Course on "Blockchain Technology" was held from 07-12-2020 to 21-12-2020. This programme has created a platform for practising teachers of CSE, IT, EEE, ECE, ME, CE and Mathematics.

The major course content of the course such as:

Introduction to Blockchain Technology Blockchain Technology History, Digital Crypto Currencies, Distributed Ledgers, Design Primitives: Protocols, Security and Signature, Hashchain to Blockchain. A total of 27 participants registered from state of Telangana, Andhra Pradesh, Jammu And Kashmir, Karnataka, Tamil Nadu and Maharashtra attended to the programme.



Session delivered on "Cryptographics Preventives of Blockchain" by
E. Suresh Babu
Assistant Professor, Dept. of CSE, NIT Warangal, T.S.

December 2020…

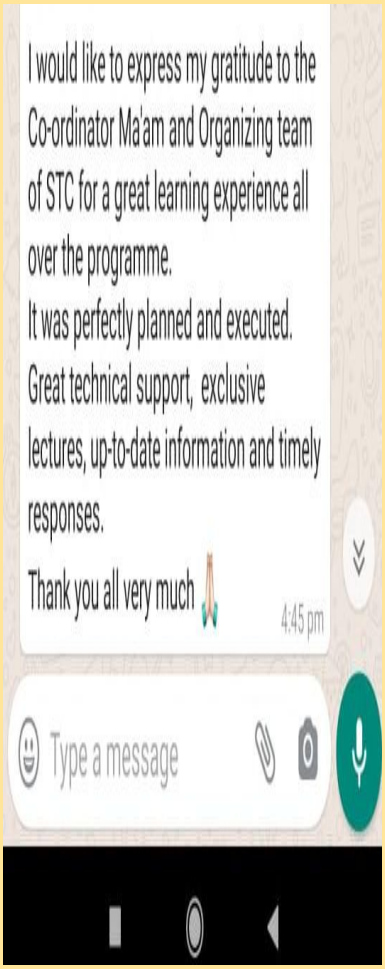
Two-week Online Refresher Course on "Blockchain Technology"

- **Coordinator:**

Dr. B.V. Ram Naresh Yadav

Dr. B.V. Ram Naresh Yadav
Associate Professor, Dept. of CSE, JNTUH CES, Sulthanpur, T.S.

Feedback from participants…

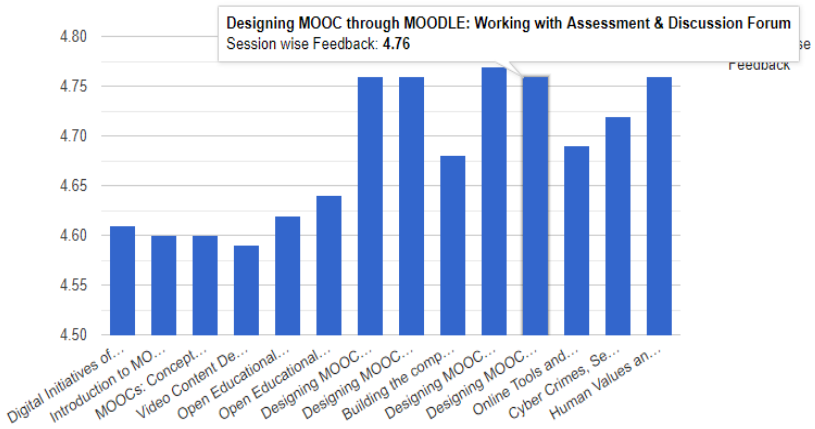


UGC-Human Resource Development Centre, JNTUH

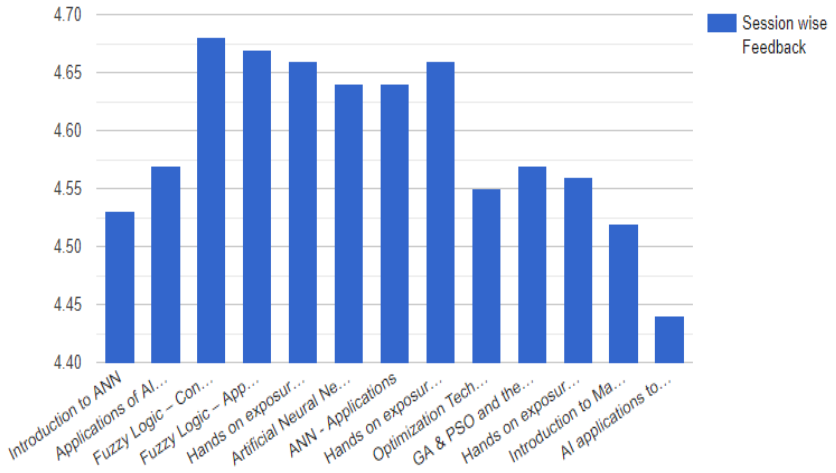
ONLINE FEEDBACK:

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.

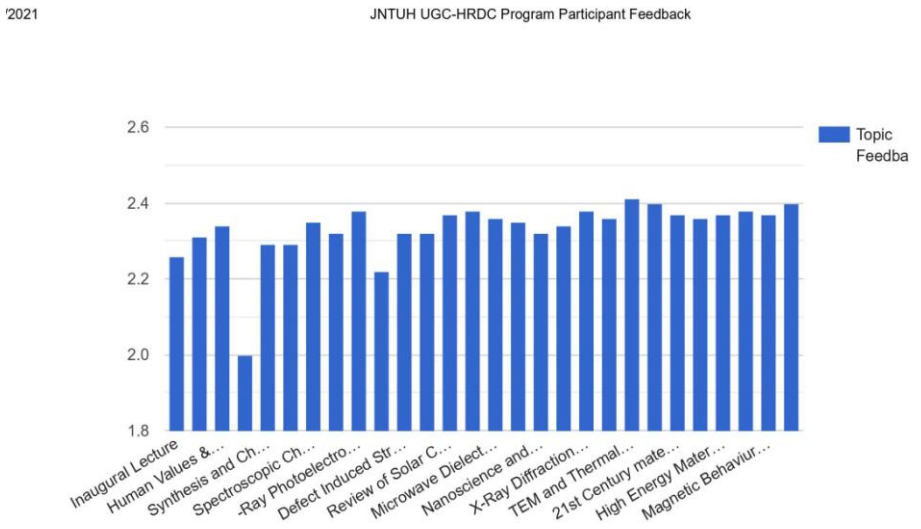
Session wise feedback of Short Term Course in MOOCs, e-Content Development and Open Educational Resources:



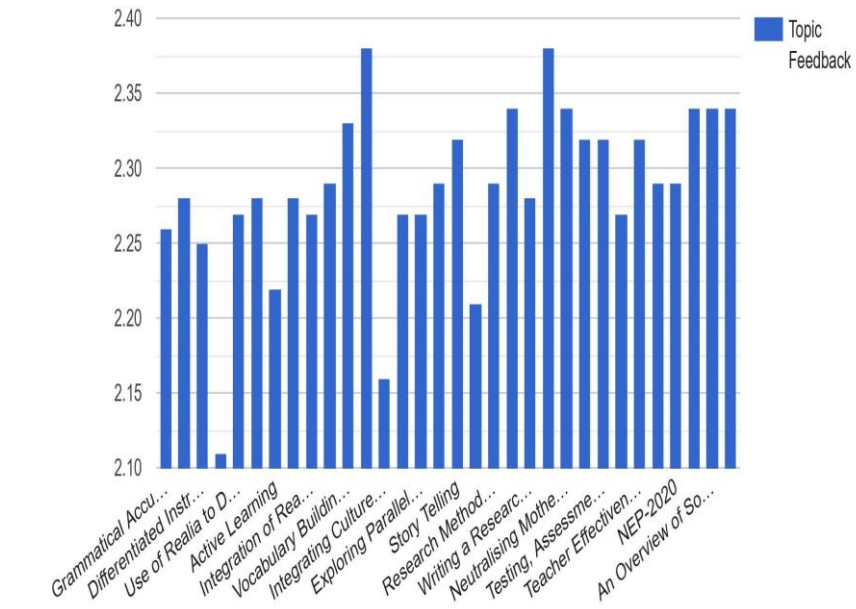
Session wise feedback of FDP – "AI Techniques To Electrical Engineering":



Session wise feedback of Refresher Course of Material Physics and Material Sciences

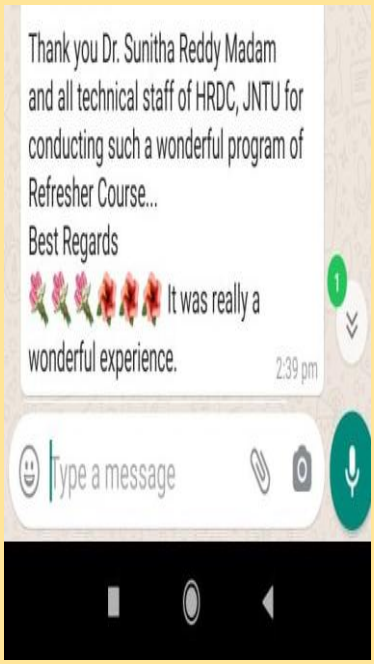


Session wise feedback of Refresher Course in English Language Teaching



Feedback from participants…

Testimonials…



UGC-Human Resource Development Centre, JNTUH

Feedback from the participants who have attended the Courses at HRDC, JNTUH:

I am thankful to respected Director Dr. G. K. Viswanath and all JNTU HRDC faculty and UGC for providing such opportunity. Thank you very much Dr. M. Sunitha Reddy mam for such wonderful Refresher course on ''Drug Discovery and Formulation Development'' I am very thankful for the opportunity you have given. This course updated my knowledge about drug discovery and also created new interest in the field of drug research. Thank you once again all team of HRDC.

Dr. Giribala Madhavrao Bandle
Assistant Professor, Dept. of Chemistry
Dr. Babasaheb Ambedkar Marathwada University, Maharashtra
Participant of Refresher Course 'Drug Discovery and Formulation Development'

.

Respected Director Sir

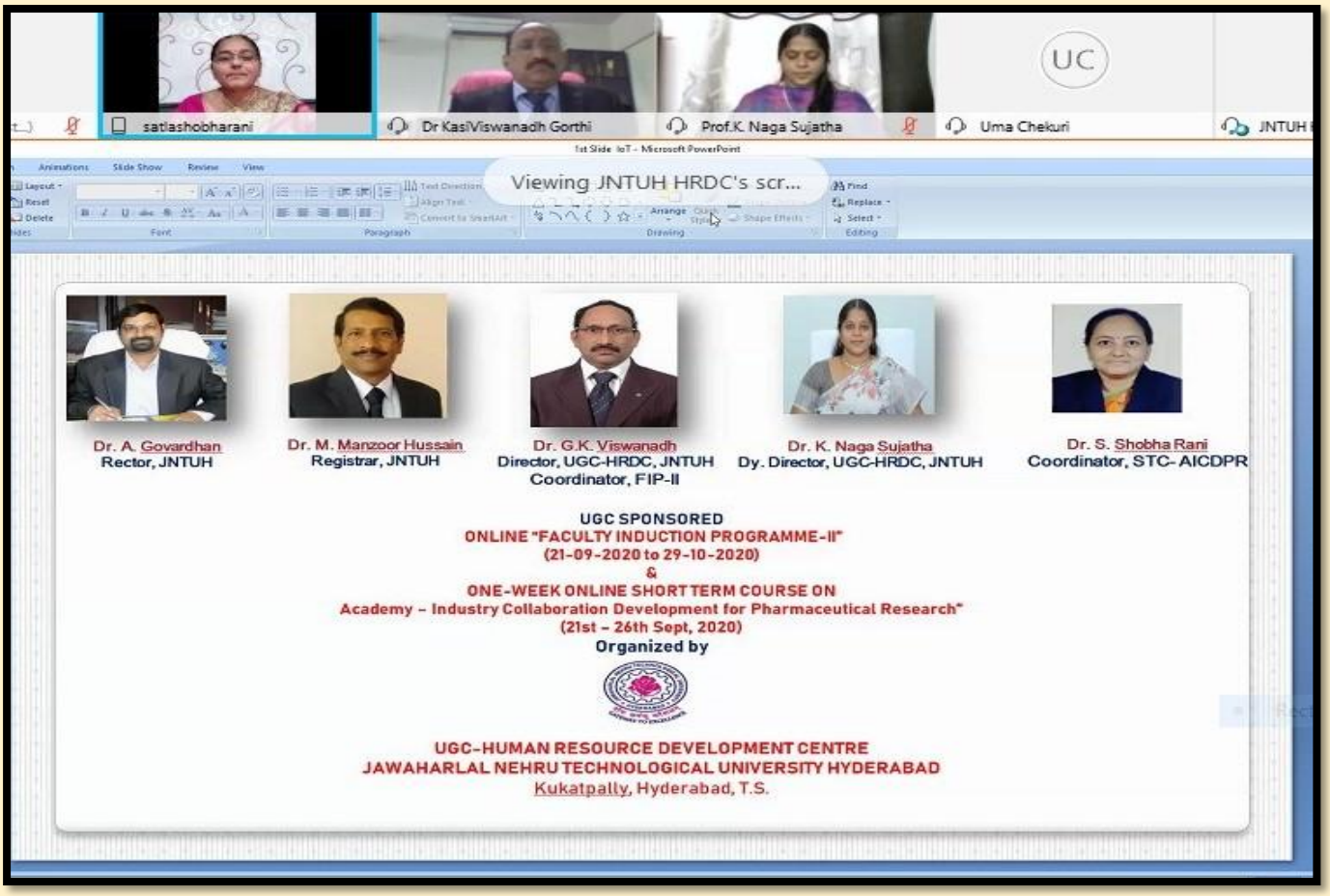
It was a wonderful experience to be a part of this course. Thank you sunitha ma'am & Director, UGC-HRDC for giving me an opportunity to participate. This two weeks course well arranged, excellent with respect to talks, topics, and speakers. I learn lot of terms & new concepts. Thank you one and all for their continuous support through out the one week course. Thank you.

Ramesha S M
Assistant Professor, Dept. of English
GFGC, Thyanangondlu, Bangalore Rural Dist., Karnataka
Participant of Soft Skills and Professional Ethics

I thank to the HRDC Director, Dr. G.K.Viswanandh and the organizing team of this wonderful Short Term Course. The entire program was well organized on time. I whole heartedly thank them for this golden opportunity given to me to learn and enrich my knowledge. Thank you very much.

N Prasanna Lakshmi
Asst.Professor, Dept of Pharmaceutical Chemistry
Sri Venateswara College of Pharmacy, Hi techcity , Madapur, Hyderabad, T.S.
Participant of Recent Trends in Pharmaceutical Formulation Development & Packaging

Uma Chekuri
Dr. V. Parvathi
Dr GK Viswanadh...
Prof.K.Naga Suja...
vijay reddy
Viewing JNTUH HRDC's app...
Dr. A. Govardhan
Rector, JNTUH
Dr. M. Manzoor Hussain
Registrar, JNTUH
Dr. G.K. Viswanadh
Director, UGC-HRDC, JNTUH
& Coordinator FIP-III
Dr. K. Naga Sujath
Dy. Director,
UGC-HRDC, JNTUH
Dr. V. Parvathi
Coordinator
STC-Soft Skills & Professional Ethics
UGC SPONSORED
ONLINE ONE WEEK SHORT TERM COURSE ON
"SOFT SKILLS & PROFESSIONAL ETHICS"(02-11-2020 to 07-11-2020) &
FIVE WEEK FIP -III
(02-11-2020 to 08-12-2020)
Organized by
UGC-HUMAN RESOURCE DEVELOPMENT CENTRE
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
Kukatpally, Hyderabad, T.S.


satlashobharani
Dr KasiViswanadh Gorthi
Prof.K. Naga Sujatha
Uma Chekuri
Viewing JNTUH HRDC's scr...
Dr. A. Govardhan
Rector, JNTUH
Dr. M. Manzoor Hussain
Registrar, JNTUH
Dr. G.K. Viswanadh
Director, UGC-HRDC, JNTUH
Coordinator, FIP-II
Dr. K. Naga Sujatha
Dy. Director, UGC-HRDC, JNTUH
Dr. S. Shobha Rani
Coordinator, STC- AICDPR
UGC SPONSORED
ONLINE "FACULTY INDUCTION PROGRAMME-II"
(21-09-2020 to 29-10-2020)
&
ONE-WEEK ONLINE SHORT TERM COURSE ON
Academy – Industry Collaboration Development for Pharmaceutical Research"
(21st – 26th Sept, 2020)
Organized by
UGC-HUMAN RESOURCE DEVELOPMENT CENTRE
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
Kukatpally, Hyderabad, T.S.

Dr. A. Govardhan
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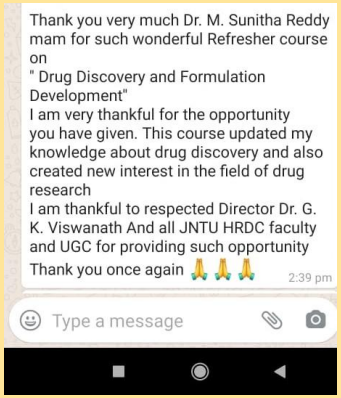
Dr. G.K. Viswanadh
Director, UGC-HRDC, JNTUH
Dr. K. Naga Sujatha
Dy. Director
UGC-HRDC, JNTUH
Dr. NVEN Lakshmi
Coordinator
RC-CLT
Dr. K. Sreelu Chetrapati
Coordinator
RC-AI
UGC SPONSORED
ONLINE REFRESHER COURSE ON
"ENGLISH LANGUAGE TEACHING"
(09-11-2020 to 23-11-2020)
&
ONLINE REFRESHER COURSE ON
"ARTIFICIAL INTELLIGENCE"
(09 11 2020 to 23 11 2020)
Organized by
Dr. P. Swetha
Coordinator
RC - AI
UGC-HUMAN RESOURCE DEVELOPMENT CENTRE
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
Kukatpally, Hyderabad, T.S.

Training Programmes organized for the year 2020-21 till now….

Feedback from participants…



A total number of 2022 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 June 2021.

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UGC-Human Resource Development Centre, JNTUH

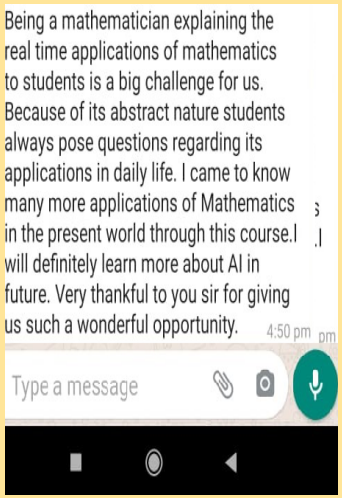
Training Programmes organized for the year 2020 – 21 (July 2020 to December 2020)

UGC SPONSORED COURSES

S No	Name of the courses	Schedule		Number of Participants	Participants from different States
		From	To		
Orientation Programmes					
1	Faculty Induction Programme - I	03.08.2020	10.09.2020	40	Telangana, Maharashtra, Karntaka, Tamil Nadu, West Bengal, Gujarat, Uttar Pradesh, and Andhra Pradesh
2	Faculty Induction Programme - II	21.09.2020	29.10.2020	44	Karnataka, Andhra Pradesh, West Bengal, Delhi, Maharashtra, Tamil Nadu, Sikkim, Madya Pradesh, Kerala, Chandigarh and Telangana
3	Faculty Induction Programme - III	02.11.2019	08.12.2020	45	Karnataka, Tamil Nadu, West Bengal, Goa, Kerala, Meghalaya, Maharashtra, Andhra Pradesh, West Bengal, Uttar Pradesh and Chhattisgarh
Refresher Courses:					
4	Soft Computing Techniques – Electrical Engineering	05.10.2020	20.10.2020	20	Telangana, Andhra Pradesh, West Bengal, Uttar Pradesh, and Gujarat
5	Drug discovery and formulation development	12.10.2020	27.10.2020	59	Maharashtra, Andhra Pradesh and Telangana States
6	English Language Teaching	09.11.2020	23.11.2020	60	Maharashtra, Karnataka, Tamilnadu, Kerala, Assam, New Delhi and Andhra Pradesh, West Bengal, Andaman And Nicobar, Uttar Pradesh, Haryana and Odisha
7	Blockchain Technology	07.12.2020	21.12.2020	27	Andhra Pradesh, Telangana, Maharashtra, Karnataka, Tamil Nadu, Uttarakhand and Jammu and Kashmir

Training Programmes organized for the year 2020-21 till now….

Feedback from participants…



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Contd…

UGC-Human Resource Development Centre, JNTUH

Interr Disciplinary Refresher Courses:					
8	Internet of Things	07.09.2020	19.09.2020	60	Andhra Pradesh, Uttar Pradesh, Tamil Nadu, Karnataka, Maharashtra, and Telangana
9	Artificial Intelligence	09.11.2020	23.11.2020	40	Telangana, Punjab, Puducherry, Karnataka, Jammu and Kashmir, Andhra Pradesh, Kerala, West Bengal, Uttar Pradesh and Tamil Nadu
10	Material Physics and Material Science	07.12.2020	21.12.2020	89	Maharashtra, Karnataka, Kerala, Delhi, Andhra Pradesh and Telangana States, Assam, Chattisgarh, Ewst Bengal, Meghalaya, Tamil Nadu, Odisha and Mizoram
Short Term Courses:					
11	Moocs, E-Content Development And Open Educational Resources	13.07.2020	18.07.2020	261	Karnataka, Telangana, Maharashtra, Tamil Nadu, Puducherry, Andhra Pradesh, Kerala, Uttar Pradesh and West Bengal
12	Outcome Based Education: Curriculu m Design, Teaching, Learning and Assessment Strategies	21.07.2020	27.07.2020	130	Telangana, Karnataka, Maharashtra, Assam, West Bengal, Punjab, Madhya Pradesh, Jammu and Kashmir, Tamil Nadu, Andhra Pradesh, Odisha and Gujarat

Training Programmes organized for the year 2020-21 till now….

Feedback from participants…

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UGC-Human Resource Development Centre, JNTUH

Short Term Courses:					
13	Clinical Pharmacy & Pharmacotherapeutics in Healthcare	14.09.2020	19.09.2020	35	Telangana, Kerala, Tamil Nadu, Maharashtra, Andhra Pradesh, Karnataka and Gujarath
14	Deep learning	14.09.2020	19.09.2020	23	Maharashtra, Andhra Pradesh, Uttarakhand, Telangana, Delhi, Gujarat, Kerala, Jammu And Kashmir and Karnataka
15	Academy-Idustry Collaboration Development foe Pharmaceutical Research	21.09.2020	26.09.2020	23	Telangana, Karnataka and Maharashtra
16	MATLAB Applications for applied Science & Engineering problems	12.10.2020	19.10.2020	45	Puducherry, Karnataka, Maharashtra, Telangana, Uttar Pradesh, Punjab, Tamil Nadu and West Bengal
17	Soft Skills and Professional Ethics	02.11.2020	07.11.2020	57	Maharashtra, Karnataka, Kerala, Mangaluru, Tamil Nadu. Andhra Pradesh, Uttar Pradesh, West Bengal and Telangana
18	Recent Trends in Pharmaceutical Formulation Development & Packaging	23.11.2020	28.11.2020	20	Telangana, Odisha, Maharashtra, West Bengal, Uttar Pradesh and Karnataka
AICTE SPONSORED COURSES					
19	AI Techniques To Electrical Engineering	06.07.2020	10.07.2020	132	Telangana, Andhra Pradesh, Tamil Nadu, Bihar and Uttar Pradesh
Other Programmes					
20	One Day Webinar On Naac Assessment and Accreditation Process	03.07.2020		612	Maharashtra, Karnataka, Telangana, Andhra Pradesh, Tamilnadu and Uttar Pradesh
21	One day Webinar On "Prospects And Challenges Of Engineering Graduates Post Covid"	05.08.2020			Telangana State

UGC-Human Resource Development Centre, JNTUH

Training Programmes to be organized for the year 2020-21
(January 2021–March 2021)

S. No	Name of the Course	Date	
		From	To
January 2020			
1	Nanomaterial Characterization Techniques	04.01.2021	09.01.2021
2	Data Warehousing and Data Mining	04.01.2021	09.01.2021
3	Effective Accademic Administration	04.01.2021	08.01.2021
4	Valua Education	25.01.2021	01.02.2021
5	One Day Workshop on Role of Technical Institutions to Adapt the National Education Policy - 2020	30.01.2021	
February 2020			
6	One Day Workshop on National Institutional Ranking Framework (NIRF) for Higher Educational Institutions	06.02.2021	
7	Faculty Induction Programme - 4	10.02.2021	19.03.2021
March 2020			
8	Systems and Signal Processing	01.03.2021	16.03.2021
9	Novel Therapeutic approaches in Drug Discovery & Development against Pandemic Disease	01.03.2021	16.03.2021
10	Power Systems	01.03.2021	16.03.2021
11	Machine Learning	15.03.2021	20.03.2021

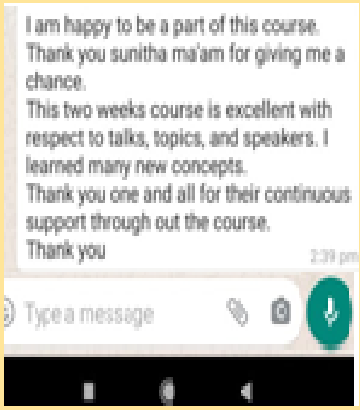
Address for all Correspondence

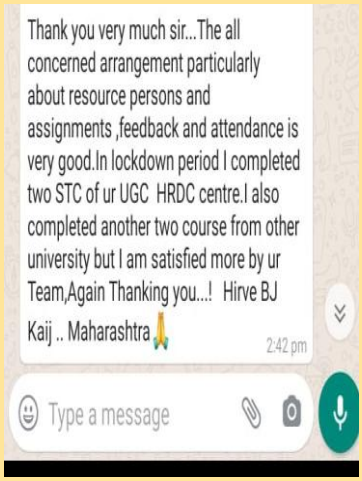
Dr. G.K. Viswanadh
Director
UGC – Human Resource Development Centre
JNTU Hyderabad
Kukatpally, Hyderabad - 500 085
Telangana State, INDIA

040- 23151610
040 - 23158661-4 Extn. 2310 / 2316 / 2312
Mobile: 8008103814 (All working days from 10.30 am to 5.00 pm only)

e-mail: directorhrdcjntuh@jntuh.ac.in
web: www.jntuhhrdc.in

Feedback from participants….





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