

DECLARATION

The Information furnished above is true to the best of my knowledge. I agree to abide by the rules and regulations governing the Course. If selected, I shall attend the course definitely for the entire duration. I also undertake the responsibility to inform the Director, UGC-Human Resource Development Centre, JNTUH, sufficiently in advance (at least one week), in case I am unable to attend the Course.

Place :
Date :

Signature of the Applicant
Name:

SPONSORSHIP CERTIFICATE

Certified that _____ is a regular employee of our institution since _____, and is hereby sponsored for the Refresher Course on “**Energy Conservation and Management – Issues and Methodologies**”, at UGC–Human Resource Development Centre, JNTU Hyderabad during the period **18-11-2019 to 30-11-2019**. From the year _____, our College is affiliated to _____ University, which is approved by the UGC. Our College is _____ (included / not included) under 2(f) & 12(b) of UGC act. He /She will be permitted to attend the course without fail, if selected.

Signature of the Registrar /
Principal / Director with Seal

Place:
Date :

Note to Sponsoring Authority:

- It is mandatory that the sponsored teachers, if **selected**, should be deputed for the Course.

Financial Assistance:

The outstation teacher-participants may be paid upto a limit of A/C III tier railway fare (all trains) or A/C deluxe bus fare **on production of tickets**.

Accommodation:

Accommodation will be provided to the non-local participants at University Guest House of JNTUH, Kukatpally, Hyderabad.

Venue:

UGC-Human Resource Development Centre, JNT University Hyderabad, Kukatpally, Hyderabad - 500 085.

Important Dates:

Last date for submission of Application: **08-11-2019**

Intimation of Selection to the candidates through e-mail/web : **11-11-2019**

Confirmation by Participants by e-mail : **13-11-2019**

Course Commencement : **18-11-2019**

Note: Participants are requested to look into website regularly for Selection List and for any other important information. **Even if the hard copy of the selection letter is not received by the selected participant, web information can be taken as authentic and he / she can attend the Course by producing the relieving letter from the concerned authorities.**

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 / 2313
Mobile: 8008103814 (All working days from 10.30 am to 5.00 pm only)
e-mail: directorhrdcjntuh@jntuh.ac.in
web: www.jntuhhrdc.in

Refresher Course on “Energy Conservation and Management – Issues and Methodologies”

(18-11-2019 to 30-11-2019)

Sponsored by
University Grants Commission

Coordinator

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

Organized by



UGC-HUMAN RESOURCE DEVELOPMENT CENTRE
Jawaharlal Nehru Technological University Hyderabad
Kukatpally, Hyderabad - 500 085
Telangana State, INDIA

Introduction:

The UGC-Human Resource Development Centre (formerly known as UGC-Academic Staff College), Jawaharlal Nehru Technological University Hyderabad, was established in the year 2000 and sponsored by University Grants Commission.

The UGC-Human Resource Development Centre organizes Orientation Programmes, Refresher Courses, Short Term Courses and Workshops on thrust areas for in-service teachers and also for newly appointed teaching faculty on a regular basis.

The Refresher Course will enable the teachers to:

- Provide opportunities for teachers in service, to exchange experience with their peers and learn mutually from each other;
- Provide a forum for serving teachers to keep themselves abreast of the latest advances in various subjects;
- Create the culture of learning and self improvement among the teachers;
- Provide opportunities to further widen their knowledge and to pursue research studies, and
- Give an introduction to new methods and innovations in higher education and enlighten them so that the participants can in turn develop their own innovative methods of instruction.

During the current academic year 2019-2020, a Two-Week Refresher Course on **“Energy Conservation and Management – Issues and Methodologies”** is proposed to be organized during **18-11-2019 to 30-11-2019**, in the campus of JNT University Hyderabad. The number of participants is limited to a maximum of 40, and the selection will be based on the priority of ‘first -come-first-serve’.

Eligibility:

- **Faculty members working in universities and colleges** that are included under Section 2(f) of the UGC Act, even though they may not yet be fit under Section 12 (B), may be invited to participate in the orientation and refresher courses. The teachers of colleges that do not yet come within the purview of Section 2(f), but have been affiliated to a university for at least five years, will be permitted to participate in the courses.
- **Faculty from the departments of EEE, Mech. Engg., and related disciplines**
- Teachers have to be sponsored by the concerned Principal of the College / Head of the Institution for considering the participation in the Course.
- Part-Time/Adhoc/Temporary/Contract teachers who have been teaching for at least three academic sessions in an Institution which has been affiliated to a University for at least two years may be permitted to participate in the Course.

Registration Fee:

Every Teacher Participant shall pay an admission fee (non-refundable) of Rs. 1000/- through online payment mode.

How to Apply:

The faculty members desirous of attending the program are requested to register their details in online mode at **www.jntuhhrdc.in**

The filled-in application form duly signed by the participant and forwarded by the Head of the Institution should be submitted to The Director, UGC-HRDC, JNTUH, on the day of program commencement i.e., on 18-11-2019.

Confirmation by Participants:

Confirmation by Participants is a must, as per the date specified overleaf. If the confirmed number of participants is less than 30, the course may be re-scheduled.

Main Subject Contents:

- ✓ **Energy form and global scenario**
- ✓ **Converters for Energy Efficiency**
- ✓ **Energy conservation in transmission and distribution**
- ✓ **Energy efficiency in electrical utilities**
- ✓ **Energy Audit and Conservation Methodology**
- ✓ **Case studies**
- ✓ **IS / IEC Standards on Efficiency Calculation**

** Contents may vary slightly.*

Note:

During the course, each teacher-participant will be required to present a seminar presentation and also work on a mini project on important topics related to the theme of this course.

Faculty:

Resources persons are drawn from different Universities, NITs and IITs and R & D Organizations.

APPLICATION FORM

**Refresher Course on
“Energy Conservation and Management – Issues and Methodologies”**

1. Name:
2. Date of Birth & Age:
3. Gender (M / F):
4. Qualifications:.....
5. Category: SC/ST/OBC/Any other.
6. Teaching Experience:.....
7. a)Designation :
b)Department:
c)Pay Scale & Present Basic :
8. a) Institution :
b)Affiliating University:
9. Whether your University/College is included under 2(f) & 12 (B) of UGC act: YES / NO
10. Address for Communication:
.....
.....
11. College Address:
.....
.....
12. Phones Nos:
(O)..... (R).....
MOBILE:..... Fax:.....
E - mail ID:
13. D.D.No., Date and Bank details:
.....
14. Nearest Railway Station :.....
15. Accommodation Required? YES / NO
16. Previous Participation in UGC-HRDCOrientation & Refresher Courses:

S. No	Course Title	Date	Place

Phone: 040-23151610
Fax: 040-23156795
Web : www.jntuhrdc.in
EMail:directorhrdcjntuh@jntuh.ac.in



UGC-HUMAN RESOURCE DEVELOPMENT CENTRE
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

(Establishment by Govt. Act No. 30 of 2008)

Kukatpally, Hyderabad – 500 085, Telangana State, India.

Dr. G.K. VISWANADH

B.E (Civil), M.E.(Hydraulics), Ph.D., F.I.E.

Professor of Civil Engineering &

DIRECTOR

Lr. No. JNTUH/UGC-HRDC/RC-ECMIM/2019-20

Date: 11-11-2019

Dear Participants,

Sub: UGC-HRDC, JNTUH, Hyderabad – Refresher Course on “Energy Conservation and Management – Issues and Methodologies” from 18-11-2019 to 30-11-2019 – Selection for attending the Programme– Intimation – Reg.

This is with reference to your hardcopy/online application expressing interest in participating in the Refresher Course on “Energy Conservation and Management – Issues and Methodologies” organized by the UGC Human Resource Development Centre, JNT University Hyderabad. We are happy to inform that, you have been provisionally selected for the above Course to be organized from 18-11-2019 to 30-11-2019.

Participants should submit the Relieving letter from the Head of the Institution at the time of Registration. The attendance for all the sessions is mandatory. If any participant is absent for the sessions during the course period, he/she has to attend the similar number of hours in the next programme to complete the course. The certificates will be issued to those participants who attend all the sessions.

The course is scheduled from 10.00 AM on 18th November, 2019, at UGC Human Resource Development Centre, JNT University Hyderabad, Kukatpally, Hyderabad – 500 085. You are requested to report at 9.30 A.M. on 18-11-2019 for registration. Kindly confirm your participation through e-mail on or before 13-11-2019 without fail. Looking forward to meet you on 18-11-2019.

Yours sincerely

DIRECTOR

Refresher Course on
“Energy Conservation and Management – Issues and Methodologies”

(18-11-2019 to 30-11-2019)

List of selected participants as on date 11-11-2019:

S No	Name of the Candidate	Designation	Department	College Name	Address
1	Atchutamohanarao Pyla	Assistant Professor	EEE	MVGR College of MVGR College of Engineering (A)	Vizianagaram, A.P.
2	Chandragiri Radha Charan	Assistant Professor	EEE	JNTUH CEJ	Jagtial, T.S.
3	Jagadish Kumar Singarapu	Assistant Professor	EEE	JNTUH CEJ	Jagtial, T.S.
4	Konatham Raja Sekhar	Assistant Professor	Mechanical Engineering	IIIT (RGUKT)	Nuzvid, A.P.
5	Korra Cheena	Assistant Professor	EEE	University College of Engineering (KU)	Kothagudem, T.S.
6	Krishnamanikanta Pilli	Assistant Professor	EEE	Mother Teresa Institute of Science & Technology	Sathupally, Khammam, T.S.
7	Mahesh R Reddy	Associate Professor	Mechanical Engineering	K G Reddy College of Engineering & Technology	Moinabad, T.S.
8	R Durga Rao	Assistant Professor	EEE	JNTUH CEM	Manthani, T.S.
9	Ramu Velishala	Assistant Professor	EEE	University College of Engineering	Kothagudem, Khammam, T.S.
10	Samyuktha Penta	Assistant Professor	EEE	K G Reddy College of Engineering & Technology	Moinabad, T.S.
11	Sangeetha P	Assistant Professor	EEE	JNTUH CEJ	Jagtial, T.S.
12	Sreenadh Batchu	Assistant Professor	EEE	RGUKT	Nuzvid, A.P.
13	Sreenivasulu Reddy Allampati	Assistant Professor	Mechanical Engineering	SV University College of Engineering	Tirupati, A.P.
14	Srinu Naik Ramavathu	Assistant Professor	EEE	AU College of Engineering	Visakahapatnam, A.P.
15	Sudhir Kumar V	Assistant Professor	EEE	Vignan’s Institute of Management	Kondapur, Ghatkesar, Hyderabad, T.S.
16	Sumalatha kalakotla	Assistant Professor	EEE	University College of Engineering	Kottagudem, Khammam, T.S.
17	Vijay Kumar Dasari	Assistant Professor	Mechanical Engineering	Vaagdevi College of Engineering	Karimnagar, T.S.
18	V. Babyshalini	Assistant Professor	EEE	JNTUH CEJ	Jagtial, T.S.
19	Swapna Latha	Assistant Professor	EEE	Nalla Malla Reddy Engineering College	Divya Nagar, Hyderabad, T.S.

S No	Name of the Candidate	Designation	Department	College Name	Address
20	A. Raghu Rama Chandra	Assistant Professor	EEE	Geethanjali College of Engineering and Technology	Cheeryal (V), Keesara (M), Medchal Dist., T.S.
21	Naresh B	Assistant Professor	EEE	University College of Engineering Kakinada (A)	JNTU Kakinada, A.P.

Note:

- The participants who have not submitted the original application through proper channel along with Registration fee are requested to submit at the time of Registration on 18-11-2019.
- No Dearness Allowance will be paid to the participants; however local hospitality will be arranged by HRDC to all the participants.



**DIRECTOR
UGC-HRDC, JNTUH**

UGC-Human Resource Development Centre, JNTUH

UGC-sponsored Two Weeks Refresher Course on **“Energy Conservation and Management – Issues and Methodologies”** (18-11-2019 to 30-11-2019)

1st Week Time Table

Date	10.00 to 11.30			11.45 to 1.15		2.00 to 3.30		3.45 to 5.15
18-11-2019 Monday	Registration & Inaugural Session	Energy Types & Present Scenario in India by Dr. G. Tulasi Ram Das Professor, Dept. of EEE, JNTUHCEH, Hyderabad		Energy Types & Present Scenario in India by Dr. G. Tulasi Ram Das Professor, Dept. of EEE, JNTUHCEH, Hyderabad		Review of Electrical Systems from Energy Conservation Perspectives by Dr. Hari Shankar Jain Executive Director BHEL R&D, Hyderabad		Review of Electrical Systems from Energy Conservation Perspectives by Dr. Hari Shankar Jain Executive Director BHEL R&D, Hyderabad
19-11-2019 Tuesday	Human Values in Academic Institutions by Dr. Pradeep Kumar Ramancharla Professor of Civil Engg., &Registrar IIIT, Hyderabad			Human Values in Academic Institutions by Dr. Pradeep Kumar Ramancharla Professor of Civil Engg., & Registrar IIIT, Hyderabad		Design of Energy Efficient Power Converters using PowerForge Tool by Sri N. Viswanath Application Manager PWSIM, Bangalore		Development of Energy Efficient Rotating Machines using JMAG Software” by Sri Joseph J Manjaly PWSIM, Bangalore
20-11-2019 Wednesday	Challenges in Renewable Energy modelling, Analysis with EMTP-RV Software by Sri VP Bhoopathi PWSIM, Bangalore		TEA BREAK	Issues in Energy Conservation by Dr. K. Naga Sujatha Professor of EEE & Dy. Director, UGC-HRDC, JNTUH	Lunch Break	Simulation and Design of Grid tied Solar Inverter by Dr. J. Praveen Principal, GRIET, Bachupally, Hyderabad	TEA BREAK	Simulation and Design of Grid tied Solar Inverter by Dr. J. Praveen Principal, GRIET, Bachupally, Hyderabad
21-11-2019 Thursday	Converters for Energy Efficiency by Dr. Vishwanathan N Professor, Dept. of Electrical Engg., NIT Warangal			Converters for Energy Efficiency by Dr. Vishwanathan N Professor, Dept. of Electrical Engg., NIT Warangal		Converters for Energy Efficiency by Dr. Vishwanathan N Professor, Dept. of Electrical Engg., NIT Warangal		Solar thermal energy conversion for enhanced efficiency by Dr. K.V. Sharma Professor, CES, JNTUHCEH
22-11-2019 Friday	Energy Efficiency in Smart Grid by Dr. K. Vaisakh Professor of EEE, AU College of Engineering, Visakhapatnam			Energy Efficiency in Smart Grid by Dr. K. Vaisakh Professor of EEE, AU College of Engineering, Visakhapatnam		Integration of Grid to RES by Prof. A. Jaya Laxmi Professor, Dept. of EEE JNTUHCEH, Hyderabad		Integration of Grid to RES by Prof. A. Jaya Laxmi Professor, Dept. of EEE JNTUHCEH, Hyderabad
23-11-2019 Saturday	Multi Attribute Decision Methods for Energy efficiency by Dr. K. Vaisakh Professor of EEE, AU College of Engineering, Visakhapatnam			Multi Attribute Decision Methods for Energy efficiency by Dr. K. Vaisakh Professor of EEE, AU College of Engineering, Visakhapatnam		Trends in Energy efficiency - Street Lighting by Sri Srinivasachary E Divisional Engineer (Electrical), TS NPDCL		Trends in Energy efficiency - Street Lighting by Sri Srinivasachary E Divisional Engineer (Electrical), TS NPDCL

UGC-Human Resource Development Centre, JNTUH

**UGC-sponsored Two Weeks Refresher Course on “Energy Conservation and Management – Issues and Methodologies”
(18-11-2019 to 30-11-2019)**

2nd Week Time Table

Date	10.00 to 11.30		11.45 to 1.15		2.00 to 3.30		3.45 to 5.15
25-11-2019 Monday	Smart Cities Initiative and the role of Energy Conservation by Dr. G. Satya Prasad HOD – EE & EEE, & Prof. I/c. R & D, GIET University, Gunupur	TEA BREAK	Transformation of Green Economy into Blue Economy – Case Studies by Dr. G. Satya Prasad HOD – EE & EEE, & Prof. I/c. R & D, GIET University, Gunupur	Lunch Break	Research approach towards Green Technologies – leading to R & D funding by Dr. G. Satya Prasad HOD – EE & EEE, & Prof. I/c. R & D, GIET University, Gunupur	TEA BREAK	Green Technology Practices – Simulation with open source softwares by Dr. G. Satya Prasad HOD – EE & EEE, & Prof. I/c. R & D, GIET University, Gunupur
26-11-2019 Tuesday	Energy Auditing, Energy Management with Industry Case Studies by Sri Rahul Raju D Associate Fellow, Certified Energy Auditor TERI, Bangalore		Perform Achieve Trade (PAT) Mechanism by Sri Rahul Raju D Associate Fellow, Certified Energy Auditor, TERI, Bangalore		Principles of Energy Auditing Conservation Management By Sri P. Venkata Narayana Associate Professor, Dept. of EEE JNTUHCEH, Hyderabad		Principles of Energy Auditing Conservation Management By Sri P. Venkata Narayana Associate Professor, Dept. of EEE, JNTUHCEH, Hyderabad
27-11-2019 Wednesday	Visit to Solar Power Plant		Visit to Solar Power Plant		Visit to IGBC, Hyderabad		Visit to IGBC, Hyderabad
28-11-2019 Thursday	Modern Teaching Learning Methods By Dr. D. Lakshmi Professor, Dept of CSE, BVRIT Narsapur, Medak, T.S.		Modern Teaching Learning Methods By Dr. D. Lakshmi Professor, Dept of CSE, BVRIT Narsapur, Medak, T.S.		LED – Photo Biological Effect By Dr. Krishna Sastry CEO, Visual Comfort India Ltd., Hyderabad		Lab Session
29-11-2019 Friday	Seminar Presentation by the Participants <u>Expert</u> Dr. M. Surya Kalavathi Professor, Dept. of EEE, JNTUHCEH, Hyderabad		Seminar Presentation by the Participants <u>Expert</u> Dr. M. Surya Kalavathi Professor, Dept. of EEE, JNTUHCEH, Hyderabad		Micro Teaching Evaluation <u>Expert</u> Dr. M. Usha Retd. Professor, Nizam College, Hyderabad		Micro Teaching Evaluation <u>Expert</u> Dr. M. Usha Retd. Professor, Nizam College, Hyderabad
30-11-2019 Saturday	Fuel cell Technology and Applications by Dr. Naga Srinivasulu NIT Warangal		Fuel cell Technology and Applications By Dr. Naga Srinivasulu NIT Warangal		Feedback session		Valedictory Session

Name of the Course	Schedule	No. of days	Sponsored by	No. of Participants
Refresher Course - Energy Conservation and Management - Issues and Methodologies	18.11.2019 to 30.11.2019	12	UGC	21

Group Photo

