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 thatis a									
regular employee of our institution since,									
and is hereby sponsored for the Refresher Course on									
"Advances in Materials Science and Applications", at									
UGC –Human Resource Development Centre, JNTU									
Hyderabad during the period 15-07-2019 to 27-07-2019.									
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 Degistran /									

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 Receipt of Application : at UGC - HRDC, JNTUH, Hyderabad	06-07-2019
Intimation of Selection to the : candidates through e-mail/web/letter	08-07-2019
Confirmation by Participants : by e-mail / FAX / Letter	09-07-2019
Course Commencement :	15-07-2019

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.

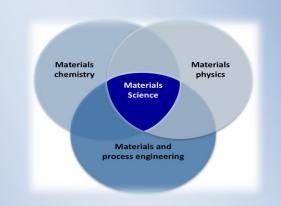
Address for all Correspondence:

The 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 "Advances in Materials Science and Applications"

(15-07-2019 to 27-07-2019)



Coordinator:

Dr. K. Vijaya Kumar

Professor, Department of Physics, JNTUH College of Engineering Sultanpur, Pulkal (M), Sangareddy-District, 502 273, Telangana State, India.

Sponsored by University Grants Commission

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 "Advances in Materials Science and Applications" is proposed to be organized during 15-07-2019 to 27-07-2018, 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 Physics, Chemistry and Materials Science.
- Teachers have to be sponsored by the concerned Principal of the College / Head of the Institution for considering the participation in the Course.
- It is mandatory that sponsored teachers, **if selected**, should participate 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 D.D. in favor of Director, UGC-Human Resource Development Centre, JNT University Hyderabad, payable at Hyderabad, along with the through proper channel application.

How to Apply:

A filled-in form of application duly signed by the faculty member and forwarded by the Head of the institution, along with Demand Draft, should reach the Director, UGC-HRDC, JNTUH, on or before 06-07-2019.

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 rescheduled.

Main Subject Contents:

- Main Subject Contents:
- Synthesis & Processing
- Ceramics & Glasses
- Composite Materials
- Magnetic Materials
- Functional Materials
- Energy Materials
- Materials Chemistry
- Materials Mechanics

* 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 like IITH, HCU, OU, KU, JNTUH, R&D Institutes like ARCI, DMRL, CMET, IICT.

APPLICATION FORM Refresher Course on "Advances in Materials Science and Applications"

1. Nam	e:		
2. Date	of Birth & Age:		
	ler (M / F):		
4. Qual	ifications:	•••••	
5. Cate	gory: SC/ST/OBC/A	ny other	
7. a)De b)De	hing prience: signation : partment: y Scale & Present Basic :		
	stitution : ffiliating University:		
	ther your University/Col 3) of UGC act: YI	llege is i ES / NO	ncluded under 2(f) &
10.	Address for Commun	ication:	
11.	College Address:		
	ones Nos:		
		(R)
MOBI	LE:	F	ax:
E - mai	1 ID:		
13. D.I	D.No., Date and Bank d		
14. Nea	arest Railway Station :		
15. Acc	commodation Required?	γ	YES / NO
	revious Participation in her Courses:	UGC-I	IRDC Orientation &
S. No	Course Title	Date	Place





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-AMS/2019-20

Date: 08-07-2019

Dear Participants,

Sub: UGC-HRDC, JNTUH, Hyderabad - Two Weeks Refresher Course on "Advances in Materials Science and Applications" from 15-07-2019 to 27-07-2019 – 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 "Advances in Materials Science and Applications" to be 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 scheduled from 15-07-2019 to 27-07-2019.

Participants should submit the Relieving letter from the Head of the Institution at the time of Registration.

The course is scheduled from 10.00 AM on 15th July, 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 15-07-2019 for registration. Kindly confirm your participation through e-mail on or before 10-07-2019 without fail. Looking forward to meet you on 15-07-2019.

Yours sincerely

DIRECTOR

Refresher Course on "Advances in Materials Science and Applications" (15-07-2019 to 27-07-2019)

List of selected participants:

List of selected particip							
S No	Name of the Candidate	Department	College	Address			
1	Dr. A. Kishore Kumar	Chemistry	Vardhaman College of Engineering	Kacharam, Shamshabad, Hyderabad, T.S.			
2	Srinivas Reddy	Physics	Mahatma Gandhi Institute of Technology	Gandipet, Hyderabad, T.S.			
3	Dr. Kumaraswamy Gullapelli	Chemistry	Mahatma Gandhi Institute of Technology	Gandipet, Hyderabad, T.S.			
4	Dr. Anil Kumar K.M.	Physics	Milad-E-Sherief Memorial College	Near KSRTC Bus Stand, NH- 47, Kayamkulam, Kerala			
5	Dr. Katta Venkateswarlu	Chemistry	Yogi Vemana University	Kadapa, A.P.			
6	Dr. L. Subramanyam Sarma	Chemistry	Yogi Vemana University	Kadapa, A.P.			
7	N. Maramu	Physics	Kakatiya University of Technologu & Science	Hasanparthy, Warangal, T.S.			
8	Dr. Saji S.k	Physics	University College	MG Road, Palayam, Thirvananthapuram, Kerala			
9	Dr. S. Arul Mugilan	physics	Kamarajar Government Arts College	Surandai, Tirunelyeli Dist., Tamilnadu			
10	Busi Anil kumar	Chemistry	Nanakram Bhagwandas Science College	Charkaman, Hyderabad, T.S.			
11	Mehar Minnath	Chemistry	Jyothirgamaya DGM MES Mampad College	Malappuram, Kerala			
12	Dr. Sai Chandra Jillepalli	Chemistry	JNTUH College of Engineering Sulthanpur	Sulthanpur, Pulkal, Sangareddy Dist., T.S.			
13	Pravin Kharade	Chemistry	Karmaveer Hire Arts, Science, Commerce & Education College	Gargoti, Bhudargad, Kolhaapur, Maharashtra			
14	Dr. Binli S	Physics	College o Engineering Trivandram	Thiruvananthapuram, Kerala			
15	Dr. Y. Prashanthi	Chemistry	Mahatma Gandhi University	Nalgonda, T.S.			
16	Dr. Mallikarjun Baswaraj Swami	Electronics	Maharashtra Udayagiri Mahavidyalaya	Nanded road, Somnathpur, Dist. Latur, Maharashtra			
17	Vivek Verma	Physics	Hindu College	University of Delhi			
18	M. Anand Pandarinath	Physics	Vidya Jyothi Institute of Technology	Aziz Nagar gate, C.B Post, Moinabad, Hyderabad, T.S.			
19	Dr. Suresh Arjula	Mechanical Engineering	Jntuh College of Engineering Jagtial	Jagitial, Nachpally, T.S.			
20	Jayashri B Mutagar	Physics	Shri. K.H. Patil Government First Grade College	Hulkoti, Karnataka			

S No	Name of the Candidate	Department	College	Address			
21	Prabha Salokhe	Chemistry	Yashwantrao Chavan Warana Mahavidyalaya	Warananagar, Maharashtra			
22	Dr. G. Aravind	Physics	Methodist College of Engineering & Technology	King Koti Road, Abids, Hyderabad, T.S.			
23	Dr. Santosh Jagdeo Uke	Physics	J.D. Patil Sangludkar Mahavidyalaya	Daryapur, Dist. Amravati, Maharashtra			
24	Mahesh Rajendran	Physics	Vidya Jyothi Institute of Technology	Aziz Nagar gate, C.B Post, Moinabad, Hyderabad, T.S.			
25	Rajendra Mungmode	Physics	Seth Kesarimal Porwal College of Arts and Science and Commerce	Kamptee, Nagpur, Maharashtra			
26	Beede Suneelkumar M	Chemistry	Goytmmm	Kalaburgi, Karnataka			
27	Sudhakar Maske	Physics	Srimati. Indira Mahadev Behere College	Khed, Maharashtra			
28	Shyamrao Bhagat	Chemistry	I.C.S. College of Arts Commerce and Science	Khed, Maharashtra			
29	Nagaraju G	Mechanical Engineering	Rajiv Gandhi University of Knowledge Technologies	Basar, T.S.			
30	V. Chandra Sekhara Rao	Mechanical Engineering	Rajiv Gandhi University of Knowledge Technologies	Basar, T.S.			
31	Sudhakar Maske	Physics	Srimati. Indira Mahadev Behere College	Khed, Maharashtra			
32	Shakeel Ahmed Md	Physics	Government First Grade College	Bhalki, Karnataka			
33	Roopa Kulkarni	Chemistry	Government First Grade College	Kalaburagi, Karnataka			
34	Mayadevi Kalgi	Physics	Government Science College	Nrupatunga Road, Bengaluru, Karnataka			
35	Sara Durga Bhavani	Chemistry	Government Degree College	Zaheerabad, Ranga Reddy Dist., T.S.			
36	Dr. Ravi Ramlu Vidule	Chemistry	SSGM College	Loha Dist., Nanded, Maharashtra			
37	Dr. R. Vijaya Kumar	Materials Research Centre	IISc, Bangalore	Karnataka - 560012			
38	Madderla Sarasija	Chemistry	University College of Science	Satavahana University, Malkapur Road, Karimnagar, T.S.			
39	Pius Augustine	Physics	Sacred Heart College	Thevera, Kerala			
40	Dr. Dharamendra Bhagawanji Dupare	Chemistry	Shri Dr. R.G. Rathod Arts and Science	Murtizapur, Di-Akola, Maharashtra			

- The participants who have not submitted the original application through proper channel along with Demand Draft are requested to submit the scanned copy by 10-07-2019 and the original copy at the time of Registration on 15-07-2019.
- No Dearness Allowance will be paid to the participants, however local hospitality will be arranged by HRDC to all the participants.
- This course is being conducted based on the new draft guidelines of UGC, in case if there are any modifications, the same will be effected.

DIRECTOR UGC-HRDC, JNTUH

UGC-sponsored Refresher Course on "Advances in Materials Science & Applications" (15-07-2019 to 27-07-2019)

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
15-07-2019 Monday	Registration & Inaugural Session Introduction and Overview of the Course By Dr. K. Vijaya Kumar Professor, Dept. Of Physics JNTUHCES, Sulthanpur, T.S.		Graphene Composites By Dr. D. Suresh Babu Retd. Professor, Dept of Physics, OU., Hyderabad		Review of Solar Cell Technologies By Dr. D. Suresh Babu Retd. Professor, Dept of Physics, OU., Hyderabad		Role of Radar & Lidar for atmospheric Research By Prof. I.V. Subba Reddy Professor, GITAM University, Hyderabad
16-07-2019 Tuesday	Composite Materials applications and testing issues and achievements in nano composites by Dr. K. Srinivas Scientist, DMRL, Hyderabad		Composite Materials applications and testing issues and achievements in nano composites by Dr. K. Srinivas Scientist, DMRL, Hyderabad		Advanced composites for Aerospace Applications By Dr. I. Srikanth Scientist, DMRL, Hyderabad		Achievements and Challenges of Nanocomposites By Dr. I. Srikanth Scientist, DMRL, Hyderabad
17-07-2019 Wednesday	Advanced Materials and Artificial Intelligence By Dr. K. Venugopal Reddy Retd. Professor, Dept. of Physics, Osmania University, Hyderabad	Tea break	Eternal Experimental Physics By Dr. K. Venugopal Reddy Retd. Professor, Dept. of Physics, Osmania University, Hyderabad	Lunch Break	Magnetic fluid nanostructures as an important class of biomedical functional nanomaterials by Dr. Narsing Rao Gade Post-Doc. Fellow, Assoc. Professor, Dept. of Physics, MLRIT, Hyderabad	TEA BREAK	Doppler weather radar for clouds and precipitation studies By Prof. I.V. Subba Reddy Professor, GITAM University, Hyderabad
18-07-2019 Thursday	NDT of SS Materials By Dr. S.V. Ranganayakulu Professor in Physics, Dean R & D Guru Nank Institutions Technical Campus (GNITC). Hyderabad		Quality Assurance of Weldments by Acoustic Emission Technique By Dr. S.V. Ranganayakulu Professor in Physics, Dean R & D Guru Nank Institutions Technical Campus (GNITC), Hyderabad	-	Surface Analysis by Photo Electron Spectroscopy By Dr. B. Sridhar Senior Scientist, IICT, Hyderabad		Nano Engineering Materials : Synthesis, Characterization and Applications By Dr. B. Sridhar Senior Scientist, IICT, Hyderabad
19-07-2019 Friday	Materials for Next Century by Dr. P. Venu Gopal Reddy Retd. Professor, Osmania University, Hyderabad,		Materials for Next Century by Dr. P. Venu Gopal Reddy Retd. Professor, Osmania University, Hyderabad		Lab. Session at Centre for Nano Science & Technology, IST, JNTUH By Dr. K. Venkateswara Rao Professor, CNST, IST, JNTUH		Lab. Session at Centre for Nano Science & Technology, IST, JNTUH by Dr. K. Venkateswara Rao Professor, CNST, IST, JNTUH
20-07-2019 Saturday	Introduction to spintronics and Heusler alloy thin films By Dr. S. Srinath Professor, Dept. of Physics, HCU, Hyderabad, T.S.		Data Science for Material Science Applications By Dr. Manoj Kumar Dept. of Physics, HCU, Hyderabad		Electronic Materials Processing By Dr. Y. Purushotham Scientist, C-MET, Hyderabad		Electronic Materials Processing By Dr. Y. Purushotham Scientist, C-MET, Hyderabad

UGC-sponsored Refresher Course on "Advances in Materials Science & Applications" (15-07-2019 to 27-07-2019)

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
				-		_	
22-07-2019	Becoming a better teacher		Becoming a better teacher		Presentation Skills		Presentation Skills
Monday	By Prof. V. Viswanadham		By Prof. V. Viswanadham		By Mr. Beisey Keshere		By Mr. Beisey Kechere
	Retd. Professor, O.U, Hyderabad		Retd. Professor, O.U, Hyderabad		Mr. Rajeev Kachara CEO, RKs Brainstorm, Hyderabad &		Mr. Rajeev Kachara CEO, RKs Brainstorm, Hyderabad &
	Ketu. Professor, O.O, Hyderabad		Retu. Professor, O.O, Hyuerabau		Soft Skills Trainer		Soft Skills Trainer
23-07-2019	Ferromagnetic/Ferroelectric Heterostructured		X-Ray Diffraction: A Tool to		Natural products : Isolation,		Data Science with Science Data
Tuesday	Multiferroics for Low-power Consumption		Investigate Crystal Structure and		Characterization & Applications		Ву
	Applications		Ferroelectric Domain		Ву		Dr. Manoj Kumar
	Ву		Configurations		Dr. K. Suresh Babu		Dept. of physics, HCU, Hyderabad
	Dr. G. Venkataiah		Ву		Professor, MLRITM, Hyderabad		
	Asst. Professor, HCU, Hyderabad		Dr. G. Venkataiah				
			Asst. Professor, HCU, Hyderabad				
24-07-2019	Seminar Presentations by the Participants	1	Seminar Presentations by the	1	Seminar Presentations by the		Seminar Presentations by the
Wednesday	(S. No. 1 to 23)		Participants		Participants		Participants
	Subject Expert						
	Dr. K. Venugopal Reddy		Subject Expert		Subject Expert		Subject Expert
	Retd. Professor, Dept. of Physics, Osmania	_	Dr. K. Venugopal Reddy	Lu	Dr. K. Venugopal Reddy	Ţ	Dr. K. Venugopal Reddy
	University, Hyderabad	Tea break	Retd. Professor, Dept. of Physics,	Incl	Retd. Professor, Dept. of Physics,	À	Retd. Professor, Dept. of Physics,
		bre	Osmania University, Hyderabad	h B	Osmania University, Hyderabad	BR	Osmania University, Hyderabad
25-07-2019	Seminar Presentations by the Participants	ak	Seminar Presentations by the	Lunch Break	Micro Teaching Evaluation	TEA BREAK	Micro Teaching Evaluation
Thursday	(S. No. 24 to 33)		Participants	×		\sim	
					Expert:		Expert:
	Subject Expert		Subject Expert		Dr. G. Bhuvaneswara Lakshmi		Dr. G. Bhuvaneswara Lakshmi
	Dr. K. Venugopal Reddy		Dr. K. Venugopal Reddy		Professor, Dept. of Education &		Professor, Dept. of Education &
	Retd. Professor, Dept. of Physics, Osmania		Retd. Professor, Dept. of Physics,		Education Technology, School of		Education Technology, School of
	University, Hyderabad		Osmania University, Hyderabad		Social Science, HCU, Hyderabad		Social Science, HCU, Hyderabad
26-07-2019	Micro Teaching Evaluation	1	Micro Teaching Evaluation	1	Advanced Ceramics and their		Technology Development-Issues
Friday					Applications		involved-Expereinces
	Expert:		Expert:		Ву		Ву
	Dr. G. Bhuvaneswara Lakshmi		Dr. G. Bhuvaneswara Lakshmi		Dr. Y. Srinivas Rao		Dr. Y. Srinivas Rao
	Professor, Dept. of Education & Education		Professor, Dept. of Education &		Scientist F, ARCI, Hyderabad		Scientist F, ARCI, Hyderabad
	Technology, School of Social Science, HCU,		Education Technology, School of				
	Hyderabad		Social Science, HCU, Hyderabad	1		_	
27-07-2019	Cyber Crimes, Forensics and Security		Cyber Crimes, Forensics and				
Saturday	Ву		Security		Valedictory session		▶
	Sri U. Ram Mohan IPS		Ву				
	SP, CID, Cyber Crimes, A.P.		Sri U. Ram Mohan IPS				
		1	SP, CID, Cyber Crimes, A.P.				

Name of the Course	Schedule	No. of days	Sponsored by	No. of Participants
Refresher Course - Advances Materials Science and Applications	15.07.2019 to 27.07.2019	12	UGC	40

Group Photo

