



UNIVERSITY OF MYSORE
UGC-HUMAN RESOURCE DEVELOPMENT CENTRE

Prof. S.S. Malini
Director

MANASAGANGOTRI
MYSURU – 570 006
KARNATAKA, INDIA

2021-2022

(ONLINE MODE)

Report of the 13th Refresher Course in Materials Science

The 13th Refresher Course in Materials Science was conducted by the UGC-Human Resource Development Centre, University of Mysore from 16-09-2021 to 29-09-2021. The theme of the Refresher Course was “Techniques of Material Synthesis and Characterization”. The Course Coordinator was Dr. S. Krishnaveni, Department of Studies in Physics, University of Mysore, Mysore. A total of 38 participants attended the refresher course.

The two week Refresher Course was started with the registration on 16.09.2021 at 10. AM followed by instructions to Teacher-Participants. The lecture session commenced in the Afternoon by Dr. Arunakumar Chandrasekhar, Department of Sensor and Biomedical Technology, School of Electronics Engineering, Vellore Institute of Technology, Katpadi, Vellore, Tamilnadu, delivered lecture on “Fabrication of Nanogenerator and Its Electrical Analysis towards self Powered Sensor Applications”. On the second day, morning, Dr. Ashish Kumar, Associate Professor, Department of Physics, School of Engineering, University of Petroleum and Energy Studies, Dehradun demonstrated on “Characterization Techniques for Transport Properties of Materials”. Afternoon, Dr. Rudraswamy. S.B, Associate Professor, Department of Electronics and Communication, Sri Jayachamarajendra College of Engineering, Mysore explained on “Fabrication and Characterization of Thin Films for Future Technological Applications”. On the third day, morning, Dr. Vidya. Y.S, Assistant Professor, Department of Physics, Lalbahadur Shastri Govt. First Grade College, Bangalore discussed on “Synthesis of Nanomaterials Using Advanced Materials” and “Review on Characterizations of Nanomaterials”. Afternoon, Prof. Raviraj M. Kulkarni, Coordinator CNSNT, KLS Gogte Institute of Technology, Belagavi explained on “Techniques of Synthesis of Nanomaterials and Characterization”. On the fourth day, morning, Dr. M.S. Vijaya Kumar, Ramanujan Fellow, Department of Studies in Chemistry, University of Mysore, Mysore gave talk on “Functional Materials Preparation under reduced Gravity”. Afternoon, Prof. Nageshwara Rao SVS, School of Physics, University of Hyderabad, Gachibowli, Telangana spoke on “Ion Beam Techniques for Material Analysis” and “Recent Advances in Non Memory Devices”. On the fifth day, first session Prof. G. Umesh, Former Professor of Physics, Mysore discussed on “Thin Films Characterization by Ellipsometry”, second session Prof. Ramesh Chandra, Institute of Instrumentation Centre, Indian Institute of Technology, Roorkee,

Uttarakhand gave lecture on “Porous Hybrid Nanostructural Thin Films for Gas Sensor Applications”. Afternoon, Dr. H.C. Manjunatha, Assistant Professor of Physics, Govt. College for Women, Kolar spoke on “Applications of Nanomaterial in X-Ray/Gamma Absorption and Antimicrobial Agents” and “Display Applications of Nanomaterials”. On the sixth day, first session Dr. Priya. B.S, Department of Studies in Chemistry, University of Mysore, Mysore demonstrated on “Development of Novel Methodologies for the Synthesis of Heterocyclic Compounds”, second session Prof. Ramesh Chandra, gave talk on “Low Dimensional Materials for Energy Storage Devices Super Capacitors”. Afternoon, Dr. Jagadeesha. T, Associate Professor, Department of Mechanical Engineering, National Institute of Technology, Calicut, Kerala explained on “Micro-Fabrication of Advanced Electronic Devices” and “Water Fabrication Technologies for Manufacture of Electronic Devices”.

On the second week, first day, morning, Prof. J. Manjanna, Director, Department of Chemistry, School of Basic Sciences, Ranichannamma University, Belagavi gave lecture on “General Aspects on Solids Including Nanomaterials” and “Materials for Energy Devices, Environmental Remediation and Biomedical Applications”. Afternoon, Dr. Madhukar. B.S, Assistant Professor, Department of Chemistry, SJCE, JSS Science and Technology University, Mysore explained on “Lead Halide Perovskite : Synthesis, Characterization and Its Applications”, followed by Prof. Asha Srinivasan, Assistant Professor, JSS Academy of Higher Education and Research, Mysore spoke on “Applications of Nanomedicine in Medicine/Biomaterials Emergence of Nanotechnology”.

On the second day, first and fourth session Dr. Nithin. K.S, Associate Professor, Department of Chemistry, The National Institute of Engineering, Mysore delivered lecture on “Tools and Techniques towards Establishing the Performance Efficacy of Polymer based smart composite of Optical and Electrical Significance”, second and third session Dr. Shankar. H.N, Technical Assistant/Officer, Institute of Excellence, University of Mysore, Mysore spoke on “Basics of Mass Spectroscopy and Applications” and “Basic Principles, Application and Structural Elucidation Using 2D-NMR Spectroscopy”. On the third day, first session Dr. Raghunandan. S, Assistant Professor, Department of Mechanical Engineering, National Institute of Engineering, Mysore gave talk on “Synthesis and Characterization of Ceramic Materials”, second session Prof. M.S. Chandrashekara, Department of Studies in Physics, University of Mysore, Mysore discussed on “Instruments and Methods Used in Environmental Radioactivity”, third session Dr. Basappa. S, Department of Studies in Organic Chemistry, University of Mysore, Mysore spoke on “Development of Smart Materials to Health Care System”. On the fourth day, first session Prof. M.S. Chandrashekara, moderated the “Participants Seminar-1”, second session Prof. Mahendra. M, Department of Studies in Physics, University of Mysore, Mysore evaluated the “Participants Seminar-2”, third session Prof. Lokanath. N.K, Department of Studies in Physics, University of Mysore, Mysore moderated the “Participants Seminar-3”, fourth session Dr. Priya. B.S, evaluated the “Participants

Seminar-4". On the fifth day, first session Dr. K. Mantelingu, Associate Professor, Department of Studies in Chemistry, University of Mysore, Mysore moderated the "Participants Seminar-5", Dr. Sangamesha. M.A, Assistant Professor, Department of Chemistry, The National Institute of Engineering, Mysore evaluated the "Participants Seminar-6", third session Dr. M.P. Sadashiva, Department of Studies in Chemistry, University of Mysore, Mysore moderated the "Participants Seminar-7", fourth session Dr. Basappa S., evaluated the "Participants Seminar-8". On the last, morning, Dr. B.N. Chandrashekar, Assistant Professor, Department of Chemistry, Sri Adhichunchanagiri First Grade College, Channarayapattana delivered lectures on "CVD Grown Graphene: Challenges and Opportunities" and "Graphene Based Transparent and Flexible Electrodes". Afternoon first session, Dr. Sangamesha. M.A, spoke on "Preparation of Thin Film by Non-Vacuum Methods and Its Characterizations.

As a part of the Refresher Course, the Online test was conducted in the afternoon last session, followed by Interaction with Course Coordinator and feedback from the participants.

In support to this report, the following Documents are attached.

1. Resource Persons' List
2. Teacher Participants' List
3. Seminar Schedule
4. Time Table
5. Photo's



(Prof. S.S. Malini)

Director

UGC-Human Resource Development Centre

University of Mysore,

Manasagangotri, Mysore-570006.

Allotment of courses for 2021-22-reg.

1 message

Archana Thakur <archana.ugc@nic.in>

Fri, Jun 25, 2021 at 3:18 PM

To: asc_au@yahoo.com, hrdcuoh@gmail.com, hrdcou@gmail.com, hrdcsvutpt@gmail.com, rama_jaypee@rediffmail.com, directorhrdcjntuh@jntuh.ac.in, gkviswanadh@jntuh.ac.in, Shakeel_du@yahoo.com, ugchrdmannuhyd@gmail.com, ugcascgu@rediffmail.com, subodhpankhu@gmail.com, rkjha51266@gmail.com, ascpatna@yahoo.com, c.singh.vmpu@gmail.com, hrdcprsu@gmail.com, akguptarsu@gmail.com, ratnesh1975@gmail.com, Ratnesh Singh <directorhrdc@ggu.ac.in>, Du.cpdhe@gmail.com, geetanjali1908@gmail.com, dir.ascjmi@rediffmail.com, asc.jnu@gmail.com, MGOVIND MGOVIND <m_govind@mail.jnu.ac.in>, asc@unigoa.ac.in, curivonkar@unigoa.ac.in, asc@ascgujarat.org, joshijagdish@yahoo.com, kaladhar@ascrajkot.org, kaladharaya@gmail.com, mkayagnik@yahoo.co.in, director@hrdcspu.ac.in, ugcasc_kuk@yahoo.co.in, ugcascbps@rediffmail.com, hrdcgjuhisar@gmail.com, hrdcshimla@gmail.com, ashokchoudhary.ru@gmail.com, ugcascjammu@gmail.com, jpsjoord@gmail.com, asc@kashmiruniversity.ac.in, hrdc@uok.edu.in, shivakumarais@gmail.com, ugchrdc.kud@gmail.com, hrdcmysore@gmail.com, asc.uoc@gmail.com, hrdcunike@yahoo.com, drsvsudheer@hotmail.com, kannurasc@gmail.com, ugcascindore@gmail.com, hrdcagar@gmail.com, ugcasc@gmail.com, /hrdcjabalpur@gmail.com, asclnipe@rediffmail.com, martin_evcity@yahoo.com, director.hrdc@bamu.ac.in, ugchrdc@mu.ac.in, asc_ngpnu@yahoo.co.in, cgdethe@gmail.com, ascpune7@gmail.com, directorhrdc@srbau.ac.in, dirasc@manipuruniv.ac.in, hrdcnehu@gmail.com, asc@nehu.ac.in, sarro@nehu.ac.in, lalundunga@rediffmail.com, asc.utkal@gmail.com, akdm.2002@gmail.com, ugcascsu@gmail.com, HRDC_PU <director.asc@pondiuni.edu.in>, hrdcgndu@yahoo.com, krjsingh@gmail.com, hryograj@yahoo.com, hrdcjnvu@gmail.com, directorhrdc@gmail.com, vijayvir@hotmail.com, ascmdsu@gmail.com, mathi_principal@yahoo.co.in, richardpaulv@gmail.com, asc@bdu.ac.in, ugcasc@uom.ac.in, ugcascuom@yahoo.com, mkuascdirector@gmail.com, asc_amu@yahoo.com, ugcascu@rediffmail.com, pksahooald@rediffmail.com, ac_staff@rediffmail.com, ascddugkp@gmail.com, nutan_tyagi@yahoo.com, asclko@rediffmail.com, hrdcnainital@gmail.com, divyavj@gmail.com, Pabitra_c@hotmail.com, anjaneco@gmail.com, office@hrdc.buruniv.ac.in, dirhrdc@jadavpuruniversity.in, rajat.acharya@gmail.com, ascnbu@gmail.com, hrdcnbu@gmail.com

Cc: archana ugc2012 <archana.ugc2012@gmail.com>, kundlaugc <kundlaugc@gmail.com>, hrdcsection <hrdcsection@gmail.com>

TO ALL THE DIRECTORS OF 66 HRDCs

Sir/Madam,

Kindly find attached herewith Allotment of courses for the year 2021-22 in respect of all 66 HRDCs.

With regards,

Dr. Archana Thakur, Joint Secretary, UGC

**Allotment of courses for 2021-22 to 66 HRDCs.pdf**

2260K



**UNIVERSITY GRANTS COMMISSION
BAHADUR SHAH ZAFAR MARG
NEW DELHI – 110002**

	<u>Allotted for 2020-21</u>	<u>Demanded/Allotted for 2021-22: Carry Forward is allowed from previous allocation, if the programs could not be organized or generated much interest in participants as evidenced from Feedback.</u>
01	<p>ANDHRA UNIVERSITY</p> <ol style="list-style-type: none"> 1. Faculty Induction Programme - 04 2. Refresher Courses: Theme-LEARNING OUTCOMES AND COMPETENCES <ol style="list-style-type: none"> i) Life Science ii) Languages, Literature & Cultural Studies (Indian, English & foreign Languages). iii) Commerce & Management iv) Human Rights Refresher Courses: Inter/Multi-disciplinary: <ol style="list-style-type: none"> v) Environmental Sciences vi) Computational Social Sciences vii) Teacher Educators: Learning outcomes and educational reform – Pedagogy, Assessment and Quality Assurance. viii) Home Science (Food & Nutrition) 3. Short Term Courses <ol style="list-style-type: none"> i) Professional Development Programme for Non Academic Staff ii) Women Studies iii) Research Methodology iv) Applied Statistics for Teachers & Research Scholars 4. Workshop. <ol style="list-style-type: none"> i) Leadership Development Programme 02 ii) MOOCs, Online Courses & Open Educational Resources iii) E-content Development and Online Pedagogy iv) Webinars can be frequently organized on the topics ranging from Leadership, Ethics, Climate change, Artificial Intelligence, machine learning, Data analytics, Language, Research Methodology, MOOCs development and delivery, Yoga and Wellness, Disaster management post COVID etc 	<p>ANDHRA UNIVERSITY</p> <ol style="list-style-type: none"> 1. Faculty Induction Programme-04-06 2. Refresher Courses: Theme-LEARNING OUTCOMES AND COMPETENCES <ol style="list-style-type: none"> i. Computer Science ii. Indian Language & Literature iii. Commerce & Management iv. Teacher Education (B.Ed. & Physical Education) Refresher Courses: Inter/Multi-disciplinary: <ol style="list-style-type: none"> i. Human Rights ii. Home Sciences (Food & Nutrition) iii. Disaster Management iv. Environmental Sciences 3. Short Term Courses <ol style="list-style-type: none"> i. Applied Statistics for Teachers & Research Scholars ii. Research Methodology iii. Professional Development Programme for Non Academic Staff iv. Women Studies 4. Workshop on Leadership Development Programme 5. E-content Development and Online Pedagogy 6. Webinars can be frequently organized on the topics ranging from Leadership, Ethics, Climate change, Artificial Intelligence, machine learning, Data analytics, Language, Research Methodology, MOOCs development and delivery, Yoga and Wellness, Disaster management post COVID etc 7. Thematic popularization of NEP2020
02	<p>UNIVERSITY OF HYDERABAD</p> <ol style="list-style-type: none"> 1. Faculty Induction Programme - 04 2. Refresher Courses: Theme-LEARNING OUTCOMES AND COMPETENCES <ol style="list-style-type: none"> i) Commerce & Management ii) Social Sciences iii) Experimental Physics iv) Life Sciences Refresher Courses: Inter/Multi-disciplinary: <ol style="list-style-type: none"> v) Research Methodology vi) Quantitative Biology vii) Chemistry: Synthetic Biology viii) English Language Studies 	<p>UNIVERSITY OF HYDERABAD</p> <ol style="list-style-type: none"> 1. Faculty Induction Programme– 04-06 2. Refresher Courses: Theme-LEARNING OUTCOMES AND COMPETENCES <ol style="list-style-type: none"> i) Commerce & Management ii) Experimental Physics iii) Mathematics iv) Chemistry v) English Language Studies Refresher Courses: Inter/Multi-disciplinary

	<p>and educational reform – Pedagogy, Assessment and Quality Assurance.</p> <p>ix) Life Sciences</p> <p>Summer/Winter School</p> <p>x) Winter School: Science and Technology of Yoga and Meditation</p> <p>xi) Summer School: Quantum Biology</p> <p>3. Short Term Courses.</p> <p>i) Gender Sensitization</p> <p>ii) Communication Skills and computer Applications</p> <p>iii) Research Methodology</p> <p>iv) Disaster Management</p> <p>v) Workshop on MOOC's e-content development and open education Resources</p> <p>vi) Non-Academic Staff Training</p> <p>4. Workshop.</p> <p>i) Leadership Development Programme 02</p> <p>ii) MOOCs, Online Courses & Open Educational Resources</p> <p>iii) E-content Development and Online Pedagogy</p> <p>iv) Interaction Programme for Ph.D. Research Scholars/Post-Doctoral Fellows</p> <p>v) Webinars can be frequently organized on the topics ranging from Leadership, Ethics, Climate change, Artificial Intelligence, machine learning, Data analytics, Language, Research Methodology, MOOCs development and delivery, Yoga and Wellness, Disaster management post COVID etc</p>	<p>x) Information and Communication Technology</p> <p>3. Workshops</p> <p>i) MOOCs, E-content Development and Open Educational Resources</p> <p>ii) Disaster Management</p> <p>iii) Gender Sensitization</p> <p>iv) Research Methodology</p> <p>4. Short Term Courses.</p> <p>i) Non-Technical Staff Training</p> <p>ii) Principal Workshop on Leadership Development</p> <p>iii) Counseling and guidance</p> <p>iv) Yoga and Spirituality</p> <p>5. Webinars can be frequently organized on the topics ranging from Leadership, Ethics, Climate change, Artificial Intelligence, machine learning, Data analytics, Language, Research Methodology, MOOCs development and delivery, Yoga and Wellness, Disaster management post COVID etc</p> <p>6. Thematic popularization of NEP2020</p>
27	<p><u>KARNATAK UNIVERSITY, DHARWAD</u></p> <p>1. Faculty Induction Programme - 04</p> <p>2. Refresher Courses: Theme-LEARNING OUTCOMES AND COMPETENCES</p> <p>i) Sociology</p> <p>ii) Kannada</p> <p>iii) Life Sciences</p> <p>iv) Social Sciences</p> <p>Refresher Courses: Inter/Multi-disciplinary:</p> <p>i) Research Methodology in Social Sciences</p> <p>ii) Indian Languages</p> <p>iii) Research Methodology in Sciences</p> <p>iv) Teacher Education</p> <p>v) Business Studies</p> <p>vi) Environmental Sciences</p> <p>vii) Physical Education</p> <p>viii) ICT Applications</p> <p>3. Short Term Courses –</p> <p>i) Non-Teaching staff Training</p> <p>ii) Computer Training</p> <p>iii) Gender Sensitization</p> <p>iv) Academic Leadership</p> <p>v) Webinars can be frequently organized on the topics ranging from Leadership, Ethics, Climate change, Artificial Intelligence, machine learning, Data analytics, Language, Research Methodology, MOOCs development and delivery, Yoga and Wellness, Disaster management post COVID etc</p>	<p><u>KARNATAK UNIVERSITY, DHARWAD</u></p> <p>1. Faculty Induction Programme – 04-06</p> <p>2. Refresher Courses: Theme-LEARNING OUTCOMES AND COMPETENCES</p> <p>i) Economics</p> <p>ii) Commerce and Management</p> <p>iii) Life Sciences</p> <p>iv) Library & Information Science</p> <p>Refresher Courses: Inter/Multi-disciplinary:</p> <p>i) Research Methodology in Social Sciences</p> <p>ii) Indian Languages</p> <p>iii) Research Methodology in Sciences</p> <p>iv) Teacher Education</p> <p>v) Physical Education</p> <p>vi) ICT Applications</p> <p>3. Short Term Courses.</p> <p>i) Research Methodology</p> <p>ii) Non-Teaching Staff Training</p> <p>iii) Computer Training for non-teaching staff</p> <p>iv) Workshop for Principal's</p> <p>v) Gender Sensitization</p> <p>vi) Academic Leadership</p> <p>vii) Teacher's Educator</p> <p>viii) Webinars- Leadership, Ethics, Disaster Management, Data Analysis, Language, Research Methodology, MOOC's Development & Delivery, Yoga and Wellness</p> <p>4. Thematic popularization of NEP2020</p>
28	<p><u>UNIVERSITY OF MYSORE</u></p> <p>1. Faculty Induction Programme - 04.</p> <p>2. Refresher Courses: Theme-LEARNING OUTCOMES AND COMPETENCES 10</p> <p>i) Commerce.</p> <p>ii) Languages, Literature & Cultural Studies</p>	<p><u>UNIVERSITY OF MYSORE</u></p> <p>1. Faculty Induction Programme - 04.</p> <p>2. Refresher Courses: Theme-LEARNING OUTCOMES AND COMPETENCES</p> <p>i) Commerce</p>

	<p>(Kannada & Indian Languages). iii) History. iv) .Library & Information Science. v) Physical Education. Refresher Courses: Inter/Multi-disciplinary: vi) Cognitive Economics. vii) Quantum Biology. viii) Human Rights. ix) Materials Science. x) Teacher Educators: Learning outcomes and educational reform – Pedagogy, Assessment and Quality Assurance. 3. Short Term Courses. i) "Research Methodology" ii) 'Gender Sensitization'. iii) 'Disaster Management'. iv) "Soft Skills". 4. Workshop. i) Leadership Development Programme 02 ii) MOOCs, Online Courses & Open Educational Resources iii) E-content Development and Online Pedagogy iv) Interaction Programme for Ph.D. Research Scholars/Post-Doctoral Fellows v) Webinars can be frequently organized on the topics ranging from Leadership, Ethics, Climate change, Artificial Intelligence, machine learning, Data analytics, Language, Research Methodology, MOOCs development and delivery, Yoga and Wellness, Disaster management post COVID etc</p>	<p>ii) Economics iii)English iv) History v) Kannada vi) Library & Information Science vii) Physical Education viii) Political Science Inter/Multi-disciplinary: i) Mathematical Science ii) Human Rights. iii)Materials Science iv) Life Sciences v) Indian Literature vi) Teacher Educator 3. Short Term Courses i) Gender Sensitization' ii) Disaster Management' iii) Information Communication Technology iv) Soft Skills v) Principal Meet' 4. Workshop. i) Academic Administrator ii) MOOCs, Online Courses & Open Educational Resources iii) Administrative Staff 5. Webinars can be frequently organized on the topics ranging from Leadership, Ethics, Climate change, Artificial Intelligence, machine learning, Data analytics, Language, Research Methodology, MOOCs development and delivery, Yoga and Wellness, Disaster management post COVID etc 6. Thematic popularization of NEP2020</p>
29	<p>UNIVERSITY OF CALICUT 1. Faculty Induction Programme – 04. 2. Refresher Courses: Theme-LEARNING OUTCOMES AND COMPETENCES 11. i) Languages, Literature & Cultural Studies (Indian, English & foreign Languages). ii) Hindi Language & Literature. iii) Art & Culture (Humanities & Languages). Refresher Courses: Inter/Multi-disciplinary: viii) Material Sciences: Recombinant Memetics (Chemistry, Nano Science/Technology, Physics, Biological Sciences). ix) Malayalam & Kerala Studies (Anthropology, History, Malayalam, Sociology). x) Development Studies (Commerce, Management & Economics). Winter/Summer School xi) Experimental Techniques for Biological Sciences (Agricultural Science, Biotechnology, Botany, Environmental Science, Veterinary Science, Zoology). 3. Short Term Courses (1 week) i) Soft Skills Development for Asstt./Associate Professors. ii) E-content Development and</p>	<p>UNIVERSITY OF CALICUT 1. Faculty Induction Programme– 04-06 2. Refresher Courses: Theme-LEARNING OUTCOMES AND COMPETENCES i) Material Science ii) Life Sciences iii) Mathematical Science iv) Development Studies v) English Language & Literature vi) Hindi Language & Literature vii) Arabic Language & Literature viii) E-content Development and Online Pedagogy in Social Science Teaching ix) Physical Education x) Library and Information Science xi) Biotechnology (Botany, Zoology, Bioinformatics, Biochemistry, Microbiology, Aquatic Biology, Animal Husbandry, Aquaculture, Fisheries) xii) Computer Science/Computer Application xiii) Chemistry xiv) Physics Refresher Courses: Inter/Multi-disciplinary: i) Environmental Science ii) ICT-enabled Teaching iii) Malayalam & Kerala Studies iv) Cultural Studies</p>

Address List of Resource Persons of the 13th Refresher Course in Material Science (Online)**From : 16.09.2021 To 29.09.2021**

S.N	Name & Address of the Resource Persons	Contact No. & E-mail
1.	Prof. S.J. Manjunath Director, UGC-Human Resource Development Centre, University of Mysore, Manasagangotri, Mysore-570006.	Off : Res : Cell : Email :
2.	Dr. Arunkumar Chandrasekhar Dept. of Senior and Biomedical Technology, School of Electronics Engineering, Vellore Institute of Technology, Katpadi, Vellore-632014.	Off : Res : Cell : 98653 65817 Email : arunkumar.c@vit.ac.in/ arunecebe@jejunu.ac.kr
3.	Dr. Ashish Kumar Associate Professor, Dept. of Physics, School of Engineering, University of Petroleum and Energy Studies, Bidholi Campus, Misrapatti, Uttarkhand, Deheradun-248197.	Off : Res : Cell : 97186 86667 Email : dr.akmr@gmail.com
4.	Dr. Rudraswamy S.B Associate Professor, IEEE-EDS Staff Advisor, Dept. of Electronics and Communication, SJCE, Manasagangotri, Mysore-570006.	Off : Res : Cell : 88610 20598 Email : rudra.swamy@sjce.ac.in
5.	Dr. Vidya Y.S Asst. Professor, Dept. of Physics, Lalbahadur Shastri Govt. First Grade College, Dinnur Mai Road, R.T. Nagar, Bengaluru-32.	Off : Res : Cell : 96633 96021 Email : vidyas.phy@gmail.com
6.	Dr. M.S. Vijaya Kumar Ramanujan Fellow (SERB-DST), DOS in Chemistry, University of Mysore, Manasagangotri, Mysore-570006.	Off : Res : Cell : 72593 66827 Email : vijay.sani@gmail.com
7.	Prof. Nageswara Rao SVS School of Physics, University of Hyderabad, Gachibowli, Telangana-500046.	Off : Res : Cell : 94411 73473 Email : nageshphysics@gmail.com
8.	Prof. G. Umesh Professor of Physics (Retd), MIG, 2 nd Cross, 9 th Main, Vivekananda Nagar, Mysore.	Off : Res : Cell : 99011 84376 Email : umesh52@gmail.com

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S.N	Name & Address of the Resource Persons	Contact No. & E-mail
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9.	Dr. H.C. Manjunatha Assistant Professor of Physics, Govt. College for Women, Kolar-563101.	Off : Res : Cell : 82966 26337 Email : manjunathc@rediffmail.com
10.	Dr. Jagadeesha T Associate Professor, Dept. of Mechanical Engineering, National Institute of Technology, Calicut, Kattangal, Kerala-673601.	Off : Res : Cell : 85471 93373 Email : jagadishsg@nitc.ac.in
11.	Dr. Madhukar B.S Assistant Professor, Dept. of Chemistry, SJCE, JSS Science & Technology University, Manasagangotri, Mysore-570006.	Off : Res : Cell : 90369 91240 Email : madhukarbs007@gmail.com
12.	Prof. Ramesh Chandra Institute of Instrumentation Centre, Indian Institute of Technology, Roorkee-247667.Uttarakhand.	Off : Res : Cell : 98970 31912 Email : ramesh.chandra@ic.litr.ac.in
13.	Prof. Asha Srinivasan Assistant Professor, JSS Academy of Higher Education & Research, Sri Shivarathreeshwara Nagara, Mysore-570015.	Off : Res : Cell : 97319 81370 Email : asha.srinivasan@jssuni.edu.in
14.	Prof. J Manjanna Director, Dept. of Chemistry, School of Basic Sciences, Ranichannamma University, Belagavi-591156.	Off : Res : Cell : 99165 84954 Email : jmanjanna@rediffmail.com
15.	Dr. Nithis K.S Associate Professor, Dept. of Chemistry, The National Institute of Engineering, Vidyananyapuram, Mysore-570008.	Off : Res : Cell : 98454 73183 Email : nithinks@nie.ac.in
16.	Dr. Shankara H.N Technical Assistant/Officer, Institute of Excellence, University of Mysore, Vijnana Bhavana, Manasagangotri, Mysore-570006.	Off : Res : Cell : 99013 55883 Email : shankara@ioe.uni_mysore.ac.in

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S.N	Name & Address of the Resource Persons	Contact No. & E-mail
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-3-

17.	Dr. Raghunandan S Assistant Professor, Dept. of Mechanical Engineering, National Institute of Engineering, Vidyaranyapuram, Mysore.	Off : Res : Cell : 94980 52775 Email : raghunandansmysore@gmail.com
18.	Dr. Priya B.S DOS in Chemistry, University of Mysore, Manasagangotri, Mysore-570006.	Off : Res : Cell : 97439 21122 Email : priyabs_chem@yahoo.com
19.	Prof. Chandrashekara M.S DOS in Physics, University of Mysore, Mansagangotri, Mysore-570006.	Off : Res : Cell : 94486 00121 Email : msc@physics.uni_mysore.ac.in
20.	Prof. Raviraj M. Kulkarni Co-ordinator CNSNT, KLS Gogte Institute of Technology, "Jnana Ganga", Udyambag, Belagavi-590008.	Off : Res : Cell : 98454 34048 Email : ravirajmk@git.edu
21.	Prof. Mahendra M DOS in Physics, University of Mysore, Mansagangotri, Mysore-570006.	Off : Res : Cell : 99643 30328 Email : :mahendra@physics.uni_mysore.ac.in
22.	Prof. Lokanath N.K DOS in Physics, University of Mysore, Manasagangotri, Mysore-570006.	Off : Res : Cell : 94498 06412 Email : lokanath@physics.uni_mysore.ac.in
23.	Dr. K Mantelingu Associate Professor, DOS in Chemistry, University of Mysore, Mansagangotri, Mysore-570006.	Off : Res : Cell : 97437 08962 Email : kmlingu@gmail.com
24.	Dr. Basappa S DOS in Organic Chemistry, University of Mysore, Manasagangotri, Mysore-570006.	Off : Res : Cell : 94812 00076 Email : sahendibasappa@gmail.com

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S.N	Name & Address of the Resource Persons	Contact No. & E-mail
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25.	Dr. M.P. Sadashiva DOS in Chemistry, University of Mysore, Manasagangotri, Mysore-570006.	Off : Res : Cell : 99860 43711 Email : mpsadashiva@gmail.com
26.	Dr. B.N. Chandrashekar Assistant Professor, Dept. of Chemistry, Sri Adhichunchanagiri First Grade College, Channarayapattana-573225.	Off : Res : Cell : 96062 01568 Email : chandrashekarbn1984@gmail.com
27.	Dr. Sangamesha M.A Assistant Professor, Dept. of Chemistry, The National Institute of Engineering, Vidyaranyaapuram, Mysore-570008.	Off : Res : Cell : 99005 03238 Email : sangamesha.ma@gmail.com
28.	Dr. S. Krishnaveni Course Co-ordinator, DOS in Physics, University of Mysore, Mansagangotri, Mysore-570006.	Off : Res : Cell : 98440 23568 Email : sk@physics.uni_mysore.ac.in

**Address List of Teacher Participants of the 13th Refresher Course in Materials Science (Online)
from 16.09.2021 to 29.09.2021**

Sl. No.	Name & Address of the Participant	Contact No. & E-mail	Photo
1.	Chinnappa Reddy B. Assistant Professor of Physics, Government Science College (Autonomous), N.T. Road, Bengaluru-560001.	Off : 08022212924 Res : Cell : 9448811055 Email : bcreddy55@gmail.com	
2.	Raviraja S. Assistant Professor of Physics, Government First Grade College and Centre for P.G. Studies, Thenkanidiyur, Udupi-576106.	Off : 08202583275 Res : Cell : 9480486695 Email : ravirajs1973@gmail.com	
3.	Munirajappa N.N. Assistant Professor of Physics, Government Science College (Autonomous), N.T. Road, Bengaluru-560001.	Off : 08022212924 Res : Cell : 9535781918 Email : munirajappann.leo@gmail.com	
4.	Dr. Syeda Seema Assistant Professor of Physics, Government College (Autonomous), Kalaburagi-585106.	Off : 08472245064 Res : Cell : 9916234377 Email : sseema311@gmail.com	
5.	Dr. Kotresh M.G. Assistant Professor of Physics, Vijayanagara Sri Krishnadevaraya University, Vinayak Nagar, Ballari-583105.	Off : 08392242703 Res : Cell : 9035125844 Email : kotreshm26@gmail.com	
6.	Dr. Lakhi Nath Borah Assistant Professor of Physics, Madhabdev University, Narayanpur-784164. Lakhimpur Dist. Assam.	Off : 03752262255 Res : Cell : 7637884839 Email : borahln76@gmail.com	
7.	Vedashree N. Assistant Professor of Physics, Government College for Women, Kolar-563101.	Off : 08152222652 Res : Cell : 9632156196 Email : vedareddy799@gmail.com	
8.	Krishna Murthy S.M. Assistant Professor of Physics, SRSMN Government First Grade College and PG Study Centre, Barkur-576210. Udupi Dist.	Off : 08202587652 Res : Cell : 9480319624 Email : Krishnamurthy.smk@gmail.com	
9.	Dr. Karl Chinnu M. Assistant Professor of Physics, Dr. Ambedkar Government Arts College, Vyasarpadi, Chennai- 600039. Tamil Nadu.	Off : 04425520151 Res : Cell : 9087300365 Email : chinnu0202@gmail.com	

**Address List of Teacher Participants of the 13th Refresher Course in Materials Science (Online)
from 16.09.2021 to 29.09.2021**










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Sl. No.	Name & Address of the Participant	Contact No. & E-mail	Photo
10.	Shivaprasad K.S. Assistant Professor of Physics, Vivekananda College of Arts Science and Commerce, Puttur-574203. Dakshina Kannada Dist.	Off : 08251230455 Res : Cell : 9449207724 Email : shivaprasadks24@gmail.com	
11.	Dr. S. Karthikeyan Assistant Professor of Physics, Dr. Ambedkar Government Arts College, Vayasarpadi, Chennai- 600039. Tamil Nadu.	Off : 04425520151 Res : Cell : 7395992195 Email : physicskarthik@gmail.com	
12.	S. Ramalingam Assistant Professor of Physics, A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai-609305. Tamil Nadu.	Off : 04364222264 Res : Cell : 9003398477 Email : ramalingam.physics@gmail.com	
13.	Dr. Manjunatha M.S. Assistant Professor of Physics, Government First Grade College, Chamarajanagara-571313.	Off : 08226222396 Res : Cell : 9242221982 Email : manjumsphy@gmail.com	
14.	Reema K.B. Assistant Professor of Physics, Maharani's Science College for Women (Autonomous), Mysuru- 570005.	Off : 08212420503 Res : Cell : 9448720434 Email : reemajp2000@gmail.com	
15.	Dr. Shivaji Devrao Waghmare Assistant Professor of Physics, Shri Shivaji Mahavidyalaya, Barshi-413411. Solapur Dist. Maharashtra.	Off : 021842223812 Res : Cell : 9850490823 Email : shivajiwaghmare1985@gmail.com	
16.	Ramesh T. Katamble Assistant Professor of Chemistry, Govindram Seksaria Science College, Belagavi-590006.	Off : 08312485193 Res : Cell : 9902130098 Email : katamblert111@gmail.com	
17.	Karabasappa H. Byadgi Assistant Professor of Chemistry, G.H. Arts, Science and Commerce Degree College, Haveri-581110.	Off : 08375236824 Res : Cell : 94489 16002 Email : khbyadagi12@gmail.com	
18.	Dr. M. Thairiyaraja Assistant Professor of Physics, Government Arts College, Rajaji Nagara, Ariyalur-621713. Tamil Nadu.	Off : 04329222050 Res : Cell : 9865446751 Email : thairiyaraja@gmail.com	

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**Address List of Teacher Participants of the 13th Refresher Course in Materials Science (Online)
from 16.09.2021 to 29.09.2021**

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Sl. No.	Name & Address of the Participant	Contact No. & E-mail	Photo
19.	Dr. Femila Komahal F. Assistant Professor of Physics, Government Science College (Autonomous), N.T. Road, Bangalore-560001.	Off : 08022212924 Res : Cell : 9731831731 Email : ffemila@gmail.com	
20.	Dr. Prathibha B.S. Assistant Professor of Physics, Government Engineering College, BM Road, Ramanagara-562159.	Off : 08028014500 Res : Cell : 9448819790 Email : prathi.chikkaiah@gmail.com	
21.	Dr. V. Gunasekaran Assistant Professor of Materials Science, Central University of Tamil Nadu, Thiruvarur-610005. Tamil Nadu.	Off : 04366277256 Res : Cell : 9894789648 Email : gunasekaran@cutn.ac.in	
22.	Dr. Venkata Saravanan Kandasamy Assistant Professor of Physics, Central University of Tamil Nadu Thiruvarur-610004. Tamil Nadu.	Off : 04366277256 Res : Cell : 9943260517 Email : venketvs@cutn.ac.in	
23.	Dr. Sandhyarani A. Assistant Professor of Physics, Government Science College (Autonomous), N.T. Road, Bengaluru-560001.	Off : 08022212924 Res : Cell : 9845775684 Email : me_sandhyarania@rediffmail.com	
24.	Mahesh Madar Assistant Professor of Physics, V.M.K. S.R.Vastrad Arts, Science & V.S. Bellihal Commerce College, Hungund-587118. Bagalkot Dist	Off : 08351260224 Res : Cell : 9535572621 Email : mahimadar28@gmail.com	
25.	Dr. Mayadevi Kalgi Assistant Professor of Physics, Government Science College (Autonomous), N.T. Road, Bengaluru-560001.	Off : 08022212924 Res : Cell : 9008900700 Email : mayavnn1@gmail.com	
26.	Dr. A. Janaki Assistant Professor of Physics, Government Arts College for Women (Autonomous), Pudukkottai- 622001. Tamil Nadu.	Off : 04322222202 Res : Cell : 9487710704 Email : ajanakipdkt@gmail.com	
27.	Dr. Sunil Jose T. Assistant Professor of Chemistry, St. Thomas College (Autonomous), Thrissur-680001. Kerala.	Off : 04872420435 Res : Cell : 9495039701 Email : sjtppc@gmail.com	

**Address List of Teacher Participants of the 13th Refresher Course in Materials Science (Online)
from 16.09.2021 to 29.09.2021**

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Sl. No.	Name & Address of the Participant	Contact No. & E-mail	Photo
28.	Dr. S. Vivekanandhan Assistant Professor of Physics, Virudhunagar Hindu Nadars' Senthikumara Nadar College (Autonomous), Virudhunagar- 626001. Tamil Nadu.	Off : 04562280154 Res : Cell : 8248289684 Email : svivekan@vhnsnc.edu.in	
29.	Dr. M. Yogeswari Assistant Professor of Physics, Vellalar College for Women, Thindal, Erode-638012. Erode Dist. Tamil Nadu.	Off : 04242244101 Res : Cell : 7402583444 Email : m.yogeswari@vcw.ac.in	
30.	Dr. P. Anitha Assistant Professor of Physics, Vellalar College for Women, Thindal, Erode-638012. Erode Dist. Tamil Nadu.	Off : 04242244101 Res : Cell : 9524649797 Email : anitha@vcw.ac.in	
31.	Dr. T.K. Jaya Arun Assistant Professor of Physics, Rageswari Vedachalam Government Arts College, Chengalpattu-603001. Chengalpattu Dist. Tamil Nadu.	Off : 04427427816 Res : Cell : 9444215453 Email : jauaarun0101@gmail.com	
32.	Joseph Joly V.L. Assistant Professor of Chemistry, St. Thomas College, Thrissur-680001. Thrissur Dist. Kerala.	Off : 04872420435 Res : Cell : 8078231228 Email : jjolyvl@gmail.com	
33.	Dr. J. Elanchezhyan Assistant Professor of Physics, Arignar Anna Government Arts College, Attur-636121. Salem Dist. Tamil Nadu.	Off : 04282235001 Res : Cell : 9578602623 Email : elanchezhyan.j@gmail.com	
34.	Dr. Jagannath Vishnu Thombare Assistant Professor of Physics, Vidnyan Mahavidyala, Sangola-413307. Solapur Dist. Maharashtra.	Off : 02187220508 Res : Cell : 9765851171 Email : jagannaththombare@gmail.com	
35.	Dr. A. Kingson Solomon Jeevaraj Assistant Professor of Physics, LRG Government Arts College for Women, Tirupur-641604. Tirupur Dist. Tamil Nadu.	Off : 04212210300 Res : Cell : 7092770929 Email : drkingson.a@gmail.com	
36.	Dr. S. Ponkumar Assistant Professor of Physics, Thiruvalluvar Government Arts College, Rasipuram-637401. Namakkal Dist. Tamil Nadu.	Off : 04287231802 Res : Cell : 9944003272 Email : ponkumars82@gmail.com	

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**Address List of Teacher Participants of the 13th Refresher Course in Materials Science (Online)
from 16.09.2021 to 29.09.2021**

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Sl. No.	Name & Address of the Participant	Contact No. & E-mail	Photo
37.	Dr. Swati Dattu Patil Assistant Professor of Physics, Pratapsinh Mohite Patil Mahavidyalaya, Karmala-413203. Solapur Dist. Maharashtra.	Off : 9890276533 Res : Cell : 8793201717 Email : swatipatil26@gmail.com	
38.	Ravikantha M.N. Assistant Professor of Physics, HPPC Government First Grade College, Challakere-577522. Chitradurga Dist.	Off : 08195250565 Res : Cell : 9483743672 Email : ravikanthmn@gmail.com	

13th REFRESHER COURSE IN MATERIALS SCIENCE (ONLINE)
FROM 16.09.2021 TO 29.09.2021
SEMINAR SCHEDULE

Sl. No.	Name of the Participants	Subject	Title of the Seminar Topic	Date & Time
1.	Chinnappareddy B.	Physics	Electron microscopy	27.09.2021 10.00 To 11.15
2.	Raviraja S.		Photoelectric effect.	
3.	Munirajappa N.N.		Theories of light	
4.	Dr. Syeda Seema		Polymerisation Techniques	
5.	Kotresh M.G.		Synthesis of nanomaterials	

1.	Dr. Lakhi Nath Borah	Physics	Rare -earth based Oxygen ion conducting ceramics	27.09.2021 11.45 To 01.00
2.	Vedashree N.		Introduction to thermoelectricity, seebeck effect.	
3.	Krishna Murthy S.M.		Nuclear weapons-Past, Present & Future	
4.	Dr. Karl Chinnu M.		Hybrid dye sensitized solar cell	
5.	Shivaprasad K.S.		Quantum nature of radiation.	

1.	Dr. S. Karthikeyan	Physics	Glimpses on Spectroscopy	27.09.2021 02.00 To 03.15
2.	S. Ramalingam		Organic solar cells	
3.	Dr. Manjunatha M.S.		Light Fidelity	
4.	Reema K.B.		Superconductivity	
5.	Dr. Shivaji Devrao Waghmare		Bismuth Ferrite Thin Film for Supercapacitor application	

1.	M.Thairiyaraja	Physics	Crystal Growth	27.09.2021 03.45 To 05.15
2.	Dr. Femila Komahal F.		Thermoelectricity	
3.	Dr. Prathibha B.S.		Luminescence.	
4.	Venkata Saravanan Kandasamy		Smart Materials	
5.	Dr. Sandhyarani A.		Study of luminescence and forensic applications of core-shell SiO_2 , SrTiO_3 : Eu^{3+} , Li^+ nanopowders .	

1.	Mahesh Madar	Physics	Fluorescence Quenching.	28.09.2021 10.00 To 11.15
2.	Dr. Mayadevi Kalgi		Piezoelectricity.	
3.	A. Janaki		Vibrational spectroscopy	
4.	Dr. S. Vivekanandhan		Biocarbon Materials	
5.	Dr. M. Yogeswari		Spintronics	

1.	Dr. P. Anitha	Physics	Nanomaterials	28.09.2021 11.45 To 01.00
2.	T.K. Jaya Arun		Fibre optics	
3.	Dr. J. Elanchezhian		Electroluminescence	
4.	Dr. Jagannath Vishnu Thombare		Synthesis of Vanadium Pentoxide thin film.	

1.	Dr. A. Kingson Solomon Jeevaraj	Physics	Nanofluids	28.09.2021 02.00 To 03.15
2.	Dr. S. Ponkumar		Radiation Hazards	
3.	Swati Dattu Patil		Energy	
4.	Ravikantha M.N.		Newton's Notion of Space and Time	

13th REFRESHER COURSE IN MATERIALS SCIENCE (ONLINE)
FROM 16.09.2021 TO 29.09.2021
SEMINAR SCHEDULE

1.	Ramesh Tukaram Katamble	Chemistry	"Ion-exchange materials"	28.09.2021 03.45 To 05.15
2.	Karabasappa H. Byadgi		Reaction Mechanisms	
3.	Sunil Jose T.		Death in the Bottle	
4.	Joseph Joly V.L.		Introduction to Perovskites	
5.	Dr. V. Gunasekaran	Material Science	Nanomaterials and Nanotechnology	

**UGC-HUMAN RESOURCE DEVELOPMENT CENTRE
MANASAGANGOTRI, MYSORE-570 006.**

**13th REFRESHER COURSE IN MATERIALS SCIENCE (ONLINE) – TIME TABLE FOR 1st WEEK (16.09.2021 TO 22.09.2021)
THRUST AREA: “TECHNIQUES OF MATERIAL SYNTHESIS AND CHARACTERIZATION”**

Date and Day	10.00 AM to 11.15 AM	11.45 AM to 1.00 PM	1.00 to 2.00	2.00 PM to 3.15 PM	3.45 PM to 5.00 PM	
16.09.2021 Thursday	Instructions to Teacher-Participants		L U N C H B R E A K	Fabrication of Nanogenerator and Its Electrical Analysis towards self Powered Sensor Applications Dr. Aruna Kumar Chandrashekhar		
17.09.2021 Friday	Characterization Techniques for Transport Properties of Materials Dr. Ashish Kumar Sharma			Fabrication and Characterization of Thin Films for Future Technological Applications Dr. Rudraswamy S.B.		
18.09.2021 Saturday	“Synthesis of Nanomaterials Using Advanced Materials” Dr. Vidya Y.S.	“Review on Characterizations of Nanomaterials” Dr. Vidya Y.S.		Techniques of Synthesis of Nanomaterials and Characterization Dr. Raviraj M. Kulkarni	Library Work	
19.09.2021 Sunday	HOLIDAY			HOLIDAY		
20.09.2021 Monday	“Functional Materials Preparation under reduced Gravity” Dr. M.S. Vijaya Kumar			Ion Beam Techniques for Material Analysis Prof. S.V.S. Nageshwara Rao	Recent Advances in Non Memory Devices Prof. S.V.S. Nageshwara Rao	
21.09.2021 Tuesday	Thin Films Characterization by Ellipsometry Prof. G. Umesh	Porous Hybrid Nanostructural Thin Films for Gas Sensor Applications Prof. Ramesh Chandra		Applications of Nanomaterial in X-ray/Gamma Absorption and Antimicrobial Agents Dr. H.C. Manjunatha	Display Applications of Nanomaterials Dr. H.C. Manjunatha	
22.09.2021 Wednesday	Development of Novel Methodologies for the Synthesis of Heterocyclic Compounds Dr. Priya B.S.	Low Dimensional Materials for Energy Storage Devices Super Capacitors Prof. Ramesh Chandra		Micro-fabrication of Advanced Electronic Devices Dr. Jagadeesha T.	Water Fabrication Technologies for Manufacture of Electronic Devices Dr. Jagadeesha T.	

Tea Break : 11.15 AM to 11.45 AM and 3.15 PM to 3.45 PM

**UGC-HUMAN RESOURCE DEVELOPMENT CENTRE
MANASAGANGOTRI, MYSORE-570 006.**

**13th REFRESHER COURSE IN MATERIALS SCIENCE (ONLINE) – TIME TABLE FOR 2nd WEEK (23.09.2021 TO 29.09.2021)
THRUST AREA: “TECHNIQUES OF MATERIAL SYNTHESIS AND CHARACTERIZATION”**

Date and Day	10.00 AM to 11.15 AM	11.45 AM to 1.00 PM	1.00 to 2.00	2.00 PM to 3.15 PM	3.45 PM to 5.00 PM	
23.09.2021 Thursday	General Aspects on Solids Including Nanomaterials Prof. J. Manjanna	Materials for Energy Devices, Environmental Remediation and Biomedical Applications Prof. J. Manjanna	L U N C H B R E A K	Lead Halide Perovskite: Synthesis, Characterization and Its Applications Prof. Madhukar B.S.	Applications of Nanomedicine in Medicine/Biomaterials Emergence of Nanotechnology Prof. Asha Srinivasan	
24.09.2021 Friday	Tools and Techniques towards Establishing the Performance Efficacy of Polymer based smart composite of Optical and Electrical Significance” – I Dr. Nithin K.S.	Basics of Mass Spectroscopy and Applications Dr. Shankara H.N.		Basic Principles, Application and Structural Elucidation Using 2D-NMR Spectroscopy. Dr. Shankara H.N.	Tools and Techniques towards Establishing the Performance Efficacy of Polymer based smart composite of Optical and Electrical Significance”-II Dr. Nithin K.S.	
25.09.2021 Saturday	Synthesis and Characterization of Ceramic Materials Dr. Raghunandan S.	Instruments and Methods Used in Environmental Radioactivity Prof. M.S. Chandrashekar		Development of Smart Materials to Health Care System Dr. Basappa S.	Library Work	
26.09.2021 Sunday	HOLIDAY			HOLIDAY		
27.09.2021 Monday	Participants Seminar – 1 Prof. M.S. Chandrashekar	Participants Seminar – 2 Dr. M. Mahendra		Participants Seminar – 3 Prof. N.K. Lokanath	Participants Seminar – 4 Dr. B.S. Priya	
28.09.2021 Tuesday	Participants Seminar – 5 Dr. Mantelingu K.	Participants Seminar – 6 Dr. Sangamesha M.A.		Participants Seminar – 7 Dr. Sadashiva M.P.	Participants Seminar – 8 Dr. Basappa S.	
29.09.2021 Wednesday	CVD Grown Graphene: Challenges and Opportunities Dr. B.N. Chandrashekar	Graphene Based Transparent and Flexible Electrodes Dr. B.N. Chandrashekar		Preparation of Thin Film by Non-Vacuum Methods and Its Characterizations Dr. Sangamesha M.A.	Online Test and Feedback Session	

Tea Break : 11.15 AM to 11.45 AM and 3.15 PM to 3.45 PM

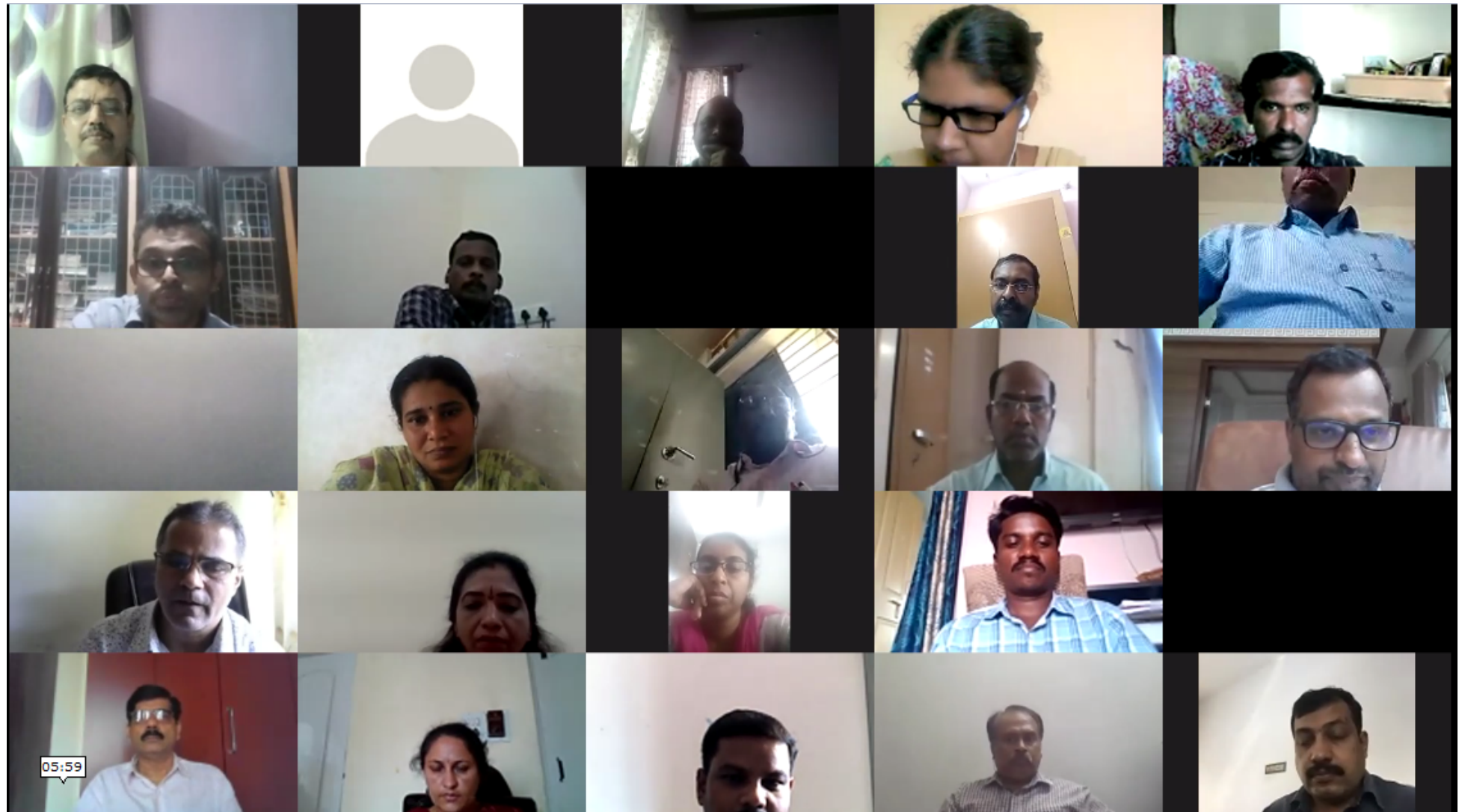


UNIVERSITY OF MYSORE

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13th Refresher Course in Materials Science

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University of Mysore



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From..... *To*..... *and obtained*..... *Grade.*

Director

Co-ordinator

Vice-Chancellor