



**Department of Applied Science**  
**Madan Mohan Malaviya University of Technology**  
**Gorakhpur**

**TEQIP-II sponsored**  
**Short Term Course on "Emerging Trends in Materials Science" (STCETMS-2017)**

**23-29 March-2017**

**Programme Schedule**

<b>Day 1</b> <b>Thursday</b> <b>23.03.2017</b>	<b>0930 Hrs to 1000 Hrs</b>	Registration at ITRC Lounge
	<b>1000 Hrs to 1045 Hrs</b>	<b>Inaugural Session</b> <ul style="list-style-type: none"> <li>• Venue- Aryabhata Hall, ITRC</li> <li>• Chief Guest- <b>Prof. Onkar Singh</b>, Hon'ble Vice Chancellor, Madan Mohan Malaviya University of Technology, Gorakhpur</li> <li>• Key Note Address by- <b>Prof. Rajeev Prakash</b>, Professor &amp; Coordinator School of Materials Science and Technology Indian Institute of Technology (BHU), Varanasi</li> </ul>
	<b>1045 Hrs to 1115 Hrs</b>	<b>High Tea</b> at ITRC, Lounge
	<b>1115 Hrs to 1215 Hrs</b>	<b>Session 1</b> <ul style="list-style-type: none"> <li>• Venue- Aryabhata Hall, ITRC</li> <li>• Key Note Lecture- <b>Prof. Rajiv Prakash</b> Coordinator School of Materials Science and Technology Indian Institute of Technology (BHU), Varanasi</li> </ul>
	<b>1215 Hrs to 1315 Hrs</b>	<b>Session 2</b> <ul style="list-style-type: none"> <li>• Venue- Aryabhata Hall, ITRC</li> <li>• Speaker- <b>Prof. Rajesh Prasad</b> Department of Applied Mechanics, IIT Delhi, New Delhi</li> <li>• Topic- Why is there no diamond cubic lattice?</li> </ul>
	<b>1315 Hrs to 1415 Hrs</b>	<b>Lunch</b> at Applied Science Department
	<b>1415 Hrs to 1545 Hrs</b>	<b>Session 3</b> <ul style="list-style-type: none"> <li>• Venue- Aryabhata Hall, ITRC</li> <li>• Speaker- <b>Prof. Rajesh Prasad</b> Department of Applied Mechanics, IIT Delhi, New Delhi</li> <li>• Topic- X-ray diffraction</li> </ul>

	1545 Hrs to 1600 Hrs	Tea at ITRC, Lounge
	1600 Hrs to 1715 Hrs	<b>Discussion</b>
<b>Day 2</b> <b>Friday</b> <b>24.03.2017</b>	1000 Hrs. to 1130 Hrs.	<b>Session 4</b> <ul style="list-style-type: none"> <li>• Venue- Conference Room, Applied Science Department</li> <li>• Speaker- <b>Dr. Kedar Singh</b> School of Physical Sciences, Jawaharlal Nehru University New Delhi</li> <li>• Topic- Doping effect on semiconductor quantum dots</li> </ul>
	1130 Hrs to 1200 Hrs	Tea at Applied Science Department
	1200Hrs to 1330 Hrs	<b>Session 5</b> <ul style="list-style-type: none"> <li>• Venue- Conference Room, Applied Science Department</li> <li>• Speaker- <b>Dr. Kedar Singh</b> School of Physical Sciences, Jawaharlal Nehru University New Delhi</li> <li>• Topic- Synthesis and characterization of carbon nanotube containing chalcogenide glassy composites.</li> </ul>
	1330 Hrs to 1430 Hrs	Lunch at Applied Science Department
	1430 Hrs to 1545 Hrs	<b>Session 6</b> <ul style="list-style-type: none"> <li>• Venue- Conference Room, Applied Science Department</li> <li>• Speaker- <b>Prof. R.R. Yadav</b> Department of Physics (UGC Centre of Advanced Studies) University of Allahabad, Allahabad</li> <li>• Topic-Ultrasonic applications</li> </ul>
	1545 Hrs to 1600 Hrs	Tea at Applied Science Department
	1600 Hrs to 1715 Hrs	<b>Session 7</b> <ul style="list-style-type: none"> <li>• Venue- Conference Room, Applied Science Department</li> <li>• Speaker- <b>Prof. R.R. Yadav</b> Department of Physics (UGC Centre of Advanced Studies) University of Allahabad, Allahabad</li> <li>• Topic- nano fluids in coolant technology</li> </ul>
<b>Day 3</b> <b>Saturday</b> <b>25.03.2017</b>	1000 Hrs. to 1130 Hrs.	<b>Session 8</b> <ul style="list-style-type: none"> <li>• Venue- Conference Room, Applied Science Department</li> <li>• Speaker- <b>Dr. Yogendra Kumar Prajapati</b> Electronics and Communication Engineering Department Motilal Nehru National Institute of Technology (MNNIT), Allahabad</li> </ul>

		<ul style="list-style-type: none"> <li>• Topic- Role of materials in SPR sensing.</li> </ul>
	1130 Hrs to 1200 Hrs	Tea at Applied Science Department
	1200Hrs to 1330 Hrs	<b>Session 9</b> <ul style="list-style-type: none"> <li>• Venue- Conference Room, Applied Science Department</li> <li>• Speaker- <b>Dr. Yogendra Kumar Prajapati</b> Electronics and Communication Engineering Department Motilal Nehru National Institute of Technology (MNNIT), Allahabad</li> <li>• Topic- Advanced material realization using precise fabrication techniques</li> </ul>
	1330 Hrs to 1430 Hrs	Lunch at Applied Science Department
	1430 Hrs to 1545 Hrs	<b>Session 10</b> <ul style="list-style-type: none"> <li>• Venue- Conference Room, Applied Science Department</li> <li>• Speaker- <b>Dr. S.N. Pandey</b> Department of Physics Motilal Nehru National Institute of Technology (MNNIT), Allahabad</li> <li>• Topic- Characterization techniques</li> </ul>
	1545 Hrs to 1600 Hrs	Tea at Applied Science Department
	1600 Hrs to 1715 Hrs	<b>Session 11</b> <ul style="list-style-type: none"> <li>• Venue- Conference Room, Applied Science Department</li> <li>• Speaker- <b>Dr. S.N. Pandey</b> Department of Physics Motilal Nehru National Institute of Technology (MNNIT), Allahabad</li> <li>• Topic- Fractal analysis and its applications</li> </ul>
<b>Day 4</b> <b>Sunday</b> <b>26.03.2017</b>	1000 Hrs. to 1130 Hrs.	<b>Session 12</b> <ul style="list-style-type: none"> <li>• Venue- Conference Room, Applied Science Department</li> <li>• Speaker- <b>Dr. S.K. Tripathi</b> Head, Department of Physics Dean, School of Physical and Material Sciences Mahatma Gandhi Central University, Motihari</li> <li>• Topic- Utilization of bio-waste for its application in energy storage</li> </ul>
	1130 Hrs to 1200 Hrs	Tea at Applied Science Department
	1200Hrs to 1330 Hrs	<b>Session 13</b> <ul style="list-style-type: none"> <li>• Venue- Conference Room, Applied Science Department</li> <li>• Speaker- <b>Prof. A.C. Pandey</b></li> </ul>

		<p>Director, Institute of Interdisciplinary Studies, University of Allahabad, Allahabad</p> <ul style="list-style-type: none"> <li>• Topic- High Fluence Ion Beam Facility at University of Allahabad</li> </ul>
	1330 Hrs to 1430 Hrs	<b>Lunch</b> at Applied Science Department
	1430 Hrs to 1545 Hrs	<p><b>Session 14</b></p> <ul style="list-style-type: none"> <li>• Venue- Conference Room, Applied Science Department</li> <li>• Speaker- <b>Prof. Biswajit Ray</b> Department of Chemistry Institute of Science, Banaras Hindu University Varanasi</li> <li>• Topic- Controlled synthesis and application of poly(n-vinylpyrrolidone)-based polymers</li> </ul>
	1545 Hrs to 1600 Hrs	<b>Tea</b> at Applied Science Department
	1600 Hrs to 1715 Hrs	<p><b>Session 15</b></p> <ul style="list-style-type: none"> <li>• Venue- Conference Room, Applied Science Department</li> <li>• Speaker- <b>Prof. S.N. Shukla</b> Head, Department of Physics &amp; Electronics Dr. Ram Manohar Lohia Avadh University, Faizabad</li> <li>• Topic- Sziklai pairs in small signal amplifiers</li> </ul>
<p><b>Day 5</b> <b>Monday</b> <b>27.03.2017</b></p>	1000 Hrs. to 1130 Hrs.	<p><b>Session 16</b></p> <ul style="list-style-type: none"> <li>• Venue- Conference Room, Applied Science Department</li> <li>• Speaker- <b>Dr. Neeraj Mehta</b> Department of Physics Institute of Science, Banaras Hindu University Varanasi</li> <li>• Topic- Some novel features &amp; applications of selenium rich semiconducting glasses</li> </ul>
	1130 Hrs to 1200 Hrs	<b>Tea</b> at Applied Science Department
	1200Hrs to 1330 Hrs	<p><b>Session 17</b></p> <ul style="list-style-type: none"> <li>• Venue- Conference Room, Applied Science Department</li> <li>• Speaker- <b>Dr. Neeraj Mehta</b> Department of Physics Institute of Science, Banaras Hindu University Varanasi</li> <li>• Topic- An overview of some basic applications of radiation physics in teaching and research</li> </ul>
	1330 Hrs to 1430 Hrs	<b>Lunch</b> at Applied Science Department
	1430 Hrs to 1545 Hrs	<b>Session 18</b>

		<ul style="list-style-type: none"> <li>• Venue- Conference Room, Applied Science Department</li> <li>• Speaker- <b>Dr. R.K. Chauhan</b> Department of Electronics &amp; Communications Engineering Madan Mohan Malaviya University of Technology, Gorakhpur</li> <li>• Topic- Novel CMOS devices</li> </ul>
	1545 Hrs to 1600 Hrs	<b>Tea</b> at Applied Science Department
	1600 Hrs to 1715 Hrs	<b>Session 19</b> <ul style="list-style-type: none"> <li>• Venue- Conference Room, Applied Science Department</li> <li>• Speaker- <b>Prof. D.K. Singh</b> Director, Rajkiya Engineering College Azamgarh</li> <li>• Topic- Recent advances in materials and their shaping</li> </ul>
<b>Day 6</b> <b>Tuesday</b> <b>28.03.2017</b>	1000 Hrs. to 1130 Hrs.	<b>Session 20</b> <ul style="list-style-type: none"> <li>• Venue- Conference Room, Applied Science Department</li> <li>• Speaker- <b>Dr. Rajesh Kumar</b> Department of Chemistry Institute of Science, Banaras Hindu University Varanasi</li> <li>• Topic- Controlled living radical polymerization: application for bio-compatible synthetic polymeric materials</li> </ul>
	1130 Hrs to 1200 Hrs	<b>Tea</b> at Applied Science Department
	1200Hrs to 1330 Hrs	<b>Session 21</b> <ul style="list-style-type: none"> <li>• Venue- Conference Room, Applied Science Department</li> <li>• Speaker- <b>Dr. S. Krishnamoorthi</b> Department of Chemistry Institute of Science, Banaras Hindu University Varanasi</li> <li>• Topic- Polymer in our life</li> </ul>
	1330 Hrs to 1430 Hrs	<b>Lunch</b> at Applied Science Department
	1430 Hrs to 1545 Hrs	<b>Session 22</b> <ul style="list-style-type: none"> <li>• Venue- Conference Room, Applied Science Department</li> <li>• Speaker- <b>Dr. V. Ganesan</b> Department of Chemistry Institute of Science, Banaras Hindu University Varanasi</li> <li>• Topic- Target analytes recognition using nanostructured</li> </ul>

		materials based on mesoporous silica, carbon nanotubes/graphene, and polymers
	1545 Hrs to 1600 Hrs	<b>Tea</b> at Applied Science Department
	1600 Hrs to 1715 Hrs	<b>Session 23</b> <ul style="list-style-type: none"> <li>• Venue- Conference Room, Applied Science Department</li> <li>• Speaker- <b>Dr. Arvind Mishra</b> Department of Chemistry Institute of Science, Banaras Hindu University Varanasi</li> <li>• Topic- Photophysical mechanisms and organic electronic properties of some molecular organic scaffolds</li> </ul>
<b>Day 7</b> <b>Wednesday</b> <b>29.03.2017</b>	1000 Hrs. to 1130 Hrs.	<b>Session 24</b> <ul style="list-style-type: none"> <li>• Venue- Conference Room, Applied Science Department</li> <li>• Speaker- <b>Prof. Anchal Srivastava</b> Department of Physics Institute of Science, Banaras Hindu University Varanasi</li> <li>• Topic- A journey from eye to electron microscope</li> </ul>
	1130 Hrs to 1200 Hrs	<b>Tea</b> at Applied Science Department
	1200Hrs to 1330 Hrs	<b>Session 25</b> <ul style="list-style-type: none"> <li>• Venue- Conference Room, Applied Science Department</li> <li>• Speaker- <b>Dr. A.N. Tiwari</b> Department of Electrical Engineering Madan Mohan Malaviya University of Technology, Gorakhpur</li> <li>• Topic- Electromagnetic materials and their applications</li> </ul>
	1330 Hrs to 1430 Hrs	<b>Lunch</b> at Applied Science Department
	1430 Hrs to 1530 Hrs	<b>Valedictory Session</b> <ul style="list-style-type: none"> <li>• Venue- Room No. AS 102, Applied Science Department</li> <li>• Chief Guest- Prof. Onkar Singh, Hon'ble Vice Chancellor, MMMUT</li> <li>• Presidential Address- Prof. D. K. Dwivedi, Chairman, STCETMS-2017</li> <li>• Certificate Distribution</li> </ul>