UGC-Malaviya Mission Teacher Training Centre
Jawaharlal Nehru University
New Delhi

Website: https://www.jnu.ac.in/mmttc

1st Short Term Course in Physical, Chemical & Nano Sciences (ONLINE MODE)
23rd October – 29th October, 2024

Course coordinators:

Prof. Pawan Kumar Kulriya, School of Physical Sciences, JNU
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List of Participants:

Sl. No	NAME	Sl. No	NAME
1	Mr. Anil Awasiya	20	Dr. Nikhil Kumar
2	Dr. Ankita Ojha	21	Dr. Pinki Yadav
3	Dr. Ankita Rai	22	Dr. Poonam Mehta
4	Dr. Arvind Kumar	23	Mr. Prashant Kumar
5	Dr. Biplob Borah	24	Dr. Raja Nisar Ali
6	Dr. Deepti Chauhan	25	Dr. Rajkumar Imocha Singh
7	Dr. Govind Dayal Singh	26	Dr. Rakesh Kumar Sonker
8	Mr. Hem Prasad Patel	27	Dr. Richa Sharma
9	Dr. Jyoti	28	Dr. Sarita Dhaka
10	Ms. Jyoti Chauhan	29	Dr. Saroj Kumar Parida
11	Dr. Kailash Chandra	30	Dr. Seema Gupta
12	Dr. Kamal Kumar	31	Ms. Sonia Devi
13	Dr. Kavita Yadav	32	Dr. Sukirti Gumber
14	Dr. Mahesh Chand	33	Dr. Sumita Shekhawat
15	Mr. Manohar Singh	34	Dr. Supriya Sabbani
16	Dr. Manoj Munde	35	Dr. Sushila Srivastava
17	Dr. Mukesh Kumar	36	Dr. Swati Raman
18	Dr. Nabadyuti Barman	37	Dr. Nikhil Kumar
19	Dr. Neeru Sharma		

Schedule

DATE	09.00 am to 10.00 am	10.00 am to 10.30 am	11:00 am – 11:30 am	11:30 am – 01:00 pm	1:00 pm – 2:00 pm	2:00 pm - 03.30 pm	03.30 pm - 03.45 pm	03.45 pm - 05.15 pm
October 23, 2024 Wednesday	Registration	Interaction with Course Coordinators	Tea Break	**Prof Ashok Kumar Nagawat** *"Shaping the Future of Humankind: The Convergence of Emerging STEM Disciplines"*	Lunch Break	**Prof. Mahesh Kumar** *"Machine Learning approach to develop a real-time prediction model for H2S gas detection"*	Tea Break	**Prof. Ganga Ram Chaudhary** *"Sustainable Nanotechnologies for Industrial Wastewater Treatment"*
DATE	**09.30 am - 11.00 am**		**11.00 am – 11.30 am**	**11:30 am-01.00 pm**	**1.00 pm-2.00 pm**	**2.00 pm - 3.30pm**	**3.30 pm – 3.45 pm**	**3:45 pm-5:15 pm**
October 24, 2024 Thursday	**Prof. Tokeer Ahmad** *" Nano Catalysis for Sustainable Hydrogen Production"*		Tea Break	**Prof. Subhasis Ghosh** *"Physics of Low Dimensional Systems"*	Lunch Break	**Dr Pratima Solanki** *"Electrochemical Biosensor for Biomedical Application"*	Tea Break	**Prof. Pritam Mukhopadhyay** *Organic Radicals: Design, Synthesis, Stabilization and their Applications*
October 25, 2024 Friday	**Prof. Satyabrata Patnaik** *"Quantum Materials and their Technological Applications"*			**Prof. Kedar Singh** *"Physical and Chemical Approaches for Investigating Nano Materials"*		**Prof. D N Gupta** *"Unveiling the Physics of Laser-Plasma Accelerators"*		**Prof. Govind Gupta** *"Semiconductor Nanostructures & Heterostructures for Futuristic Optoelectronic Technologies"*
October 26, 2024 Saturday	Project work / Assignment			Project work / Assignment		Project work / Assignment		Project work / Assignment
October 28, 2024 Monday	**Prof. Manish Kumar** *"DFT simulations for materials design and discovery"*			**Prof. Sanjay Puri** *"Kinetics of Phase Transitions"*		**Prof. Subhankar Bedanta** *"Novel Materials, Devices & emerging phenomena for Spintronics & Quantum Technologies"*		**Prof. Dinesh Mohan** *"From Publication to Recognition: Bibliometric Tools for Enhancing Research Quality and Citations"*
October 29, 2024 Tuesday	**Dr. Ram Prasad Prajapati** *"Plasma Physics: Applications in Fusion, Space and Astrophysics"*			**Prof. Ramesh Chandra** *"Manipulating conventional materials For (Gas Sensing and Energy Storage Applications)"*		**MCQ**		Valedictory