

One Week Faculty Development Program on Current Trends in Physical Sciences July 22-28, 2020

Indian Association of Physics Teachers RC-4 (UP) and AKTU, Lucknow in association with Christ Church College Kanpur, PSIT Kanpur and FGIET Rae-Bareilly organized One Week Faculty Development Program on "Current Trends in Physical Sciences" from July 22-28, 2020 with Dr. R. K. Dwivedi as Convener and Dr. S. P. Singh as organizing secretary. The entire technical support for organizing this event was provided by AKTU Lucknow.

The FDP was inaugurated by **Hon'ble Vice Chancellor, AKTU Lucknow Prof. Vinay Kumar Pathak** as chief guest. The Principal, **Dr. Joseph Denial** welcomed all the participants. 21 National and 09 International renowned speakers including **Padam Shri Prof. H. C. Verma, IIT, Kanpur** and **Prof. Vijay A. Singh HBCSE, Mumbai & National President, IAPT and Prof. Salvatore Iannotta, IMEM, CNR Italy** shared their knowledge with all attendee. There were more than 500 registrations. It was attended by **97 participants** all over the globe.

Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh, Lucknow
Indian Association of Physics Teachers RC-4 (U.P.)
in association with
Christ Church College Kanpur, PSIT Kanpur and FGIET Raebareilly
organize a one week Faculty development program on
"Current Trends in Physical Sciences"
July 22-28, 2020

National Speakers:
 Dr. R. K. Dwivedi, Convener, AKTU Lucknow
 Dr. S. P. Singh, Organizing Secretary, AKTU Lucknow
 Dr. H. C. Verma, IIT Kanpur
 Dr. Vijay A. Singh, HBCSE Mumbai
 Dr. R. K. Verma, IIT Kanpur
 Dr. S. P. Singh, AKTU Lucknow
 Dr. H. C. Verma, IIT Kanpur
 Dr. Vijay A. Singh, HBCSE Mumbai
 Dr. R. K. Verma, IIT Kanpur
 Dr. S. P. Singh, AKTU Lucknow

International Speakers:
 Dr. R. K. Verma, IIT Kanpur
 Dr. S. P. Singh, AKTU Lucknow
 Dr. H. C. Verma, IIT Kanpur
 Dr. Vijay A. Singh, HBCSE Mumbai
 Dr. R. K. Verma, IIT Kanpur
 Dr. S. P. Singh, AKTU Lucknow

Advisors:
 Dr. R. K. Verma, IIT Kanpur
 Dr. S. P. Singh, AKTU Lucknow
 Dr. H. C. Verma, IIT Kanpur
 Dr. Vijay A. Singh, HBCSE Mumbai

Organising Secretary:
 Dr. S. P. Singh, AKTU Lucknow

Partners:
 PSIT

Registration Link:
<https://tinyurl.com/yphzmc>

OECT Operating on Micro- or Nano-drops

N. Coppel
 BioMed Res
 2014 (2014)

Dr. R. K. Dwivedi
 Prof. Vinay Kumar Pathak
 Prof. H. C. Verma
 Prof. Vijay A. Singh

Theories of light

Classical theory
 Quantum theory
 Electromagnetic waves
 Quantum electrodynamics

अब आपके दिल का हाल बताएंगी टी-शर्ट

एक नए अध्ययन के अनुसार, टी-शर्ट के रंग और डिज़ाइन के आधार पर आपका दिल का हाल बताया जा सकता है।

ऑनलाइन पढ़ाई में प्रैक्टिकल समझना मुश्किल

ऑनलाइन शिक्षण के दौरान प्रैक्टिकल समझना मुश्किल है।



S. N.	Name of Resource Person	Topic of the talk
1.	PadamShri Prof. H. C. Verma IIT, Kanpur	Challenges of Online Academics
2.	Prof. Vijay A. Singh HBCSE, Mumbai National President, IAPT	The golden ratio, the centre of mass and Aesthetics
3.	Prof. Salvatore Iannotta IMEM, CNR, Italy	Molecules, Organic, Bio-Organic Systems and Functionalizations for Smart Devices: From Sensing to Bio-Electronics to Neuromorphic Systems
4.	Dr. Alexandre C. Dias University of Sao Paulo-USP, Brazil	Semi Empirical Approach for Excitons in 2D materials
5.	Prof. Raj K. Thareja Retd. IIT, Kanpur	Connecting theory and experiments in physics
6.	Dr. Anil Kumar Singh ECC, Prayagraj	Perspectives from computational physics in post CoVID-19 era
7.	Dr. Sanjay Singh IIT, BHU, Varanasi	Solid State Cooling: Current Challenges and Future Scope
8.	Prof. Ram Dhoorjty	Education in physical sciences
9.	Prof. Pratima Agarwal IIT, Guwahati	Tuning the opto-electronic properties in multilayersuperlattice thin films structures
10.	Dr. PreetiBhobe IIT, Indore	<i>Tin Selenide: a new thermoelectric material in town</i>
11.	Dr. Vishwa Pal IIT, Ropar	Solving Computationally hard problems with coupled lasers
12.	Prof. A. Reggad University of Sidhi-Bel-Abbes, Algeria	Why do we need to practice –e-learning?
13.	Dr. Meena Rittiraum Chulalongkorn University, Thailand	Investigation of the thermoelectric properties of TiNiSn based Half Heusler alloys by DFT
14.	Prof. Narayan K SVIT, Bangalore	Development of Fluorescent OLEDs with Improved Luminous Efficiency
15.	Dr. R. K. Dwivedi Christ Church College, Kanpur	Understanding Practical aspects of Thermocouple Temperature Sensors

16.	Dr. Pankaj Poddar CSIR-National Chemical Laboratory, Pune	How can physics contribute to address healthcare challenges
17.	Dr. Aparna Dixit PSIT, Kanpur	Particle Classification and Introduction of Standard Model
18.	Dr. Vikrant Yadav Yale University, USA	"How 200 Year Old physics is changing Cancer, Data storage and Finance?"
19.	Dr. Jagrati Saharia NIT, Uttarakhand	Electronic and optical response of some important functional materials: Compton spectroscopy and density functional theory analysis
20.	Dr. Abhishek Mishra UPES, Dehradun	DFT simulations of materials and Applications
21.	Dr. Manvendra Kumar SVV Vishwavidyalaya, Indore	Applications of Ions Beams in science and society
22.	Prof. G. Umesh NIT, Surathkal	Metamaterials: Exotic Man-made Materials
23.	Dr. Satyananda Chabungam IISER, Tirupati	Recent trends in 2D Vanderwaals stacked hetrostructures
24.	Dr. Mikael Syväjärvi Linköping University, Sweden	Science as origin of innovations
25.	Dr. Madhav Prasad Ghimire Central Department of Physics- TU, Nepal	Discovery of Weak Topological Insulator in Bismuth-based Family
26.	Dr. Amit Banerjee NUS, Singapore	Semiconductors processing and devices
27.	Dr. Sundar Singh Bareilly College, Bareilly	MOOC's and Higher Education During Covid-19 Pandemic
28.	Dr. Ajay Thakur IIT, Patna	Graphene oxide: Prospects and challenges
29.	Dr. Vijay Kumar NIT, Srinagar	"Oxide based nano-phosphor for solid state lighting"
30.	Dr. Kumud Malika Tripathi Indian Institute of Petroleum and Energy, Visakhapatnam	From Environment, Healthcare to Advanced Energy Applications
	Name of Participants	Name of Institute/College
1	Dr. Aparna Dixit	Pranveer Singh Institute of Technology, Kanpur
2	DR ARVIND PANDEY	BRAHMANAND COLLEGE KANPUR
3	Kalpana Patel	Faculty of Engineering and Technology University of Lucknow
4	Mishu Gupta	Khalsa college for women civil lines ludhiana
5	Dr. R. NITHYA	IMMACULATE COLLEGE FOR WOMEN
6	Bhawna Trivedi	Narainavidhyapeeth engineering and management institute
7	KAVITA SHARMA	Central University of Rajasthan, Ajmer
8	DR ARCHANA PANDEY	BRAHMANAND COLLEGE KANPUR
9	princess.mishra07@gmail.com	Institute of Engineering and Technology

		Lucknow
10	Jyoti Guglani	IMS Engineering College
11	Saroj Kandel	Patan Multiple Campus, Lalitpur, Nepal
12	Pratibha Paudel	MidWestern University
13	Hemant Kumar Meena	Central University of Rajasthan,Ajmer(Raj.)
14	Esha Dwivedi	Harcourt Butler Technical University ,Kanpur.
15	Dr Anita Shukla	PSIT, Kanpur
16	Gang Bahadur Acharya	Tribhuvan University
17	Sanjeev Kumar Verma	VCSG UHF BharsarPauri Garhwal UK
18	DR. SANKET VERMA	SACRED HEART DEGREE COLLEGE SITAPUR
19	Nileema Sharma	Central Department of Physics, Tribhuvan University
20	Dr. Kalpana Tyagi	Ingraham Institute Girls Degree College, Ghaziabad, Uttar Pradesh
21	RAGHAV DWIVEDI	PSIT KANPUR
22	Dr. R. PRADEEPKUMAR	DEPARTMENT OF PHYSICS, ANNA UNIVERSITY CHENNAI
23	Namita Das	Tripura Institute of Technology, Narsingarh, Tripura
24	Radha Krishna Joshi	Tribhuvan University
25	RASHMI RANJANROUTARAY	UTKAL UNIVERSITY, BHUBANESWAR
26	Dr.V.Chitra	Sri Ramakrishna Institute of Technology
27	ANJALI GUPTA	PRANVEER SINGH INSTITUTE OF TECHNOLOGY, KANPUR
28	VIRESHKUMAR HIMMATALAL THAKKAR	Sir P T Sarvajanic College of Science Surat
29	Preeti Yadav	Mahatma Gandhi Kashi Vidyapith, Ambrosia Academy
30	Dr. Sanjeev	MJP Rohilkhand University Bareilly
31	Musa Usman Sarki	Nasarawa State University, Keffi- Nigeria
32	Ganesh prasad sahu	Rajendra college (Auto), Balangir, Odisha
33	Dr. Jasvendra Tyagi	IMS Engineering College, Ghaziabad, Uttar Pradesh
34	Manoj Kumar	Dr. B.R.A. Govt. Polytechnic Ambota,Una (H.P.)
35	Dr. VIKRAM SHREE VATS	GOVERNMENT DEGREE COLLEGE, SHAHUPUR
36	Shivani Dixit	Pranveer Singh Institute of Technology
37	Dr. Pankaj Srivastava	Department of Physics , Jaipur National University
38	Dr. Sandeep Kumar	Government College Chhachhrauli, Yamunanagar, Haryana
39	Vipin Kumar Shuka	Indian Institute of Technology, Delhi
40	Saziya Khan	Christ Church college,Kanpur
41	Dr. Fayaz Ahmad Najar	S.P College campus , Cluster University Srinagar .
42	Dr. Rajesh Kumar Dwivedi	Christ Church College, Kanpur

43	Dr. J.V.SATYANARAYANA	RVR & JC College of Engineering, GUNTUR, A.P.
44	Mukesh Kumar Gupta	International Institute for Population Sciences, Mumbai-400088, India
45	Dr Anuradha Purohit	Veer Teja Girls College, Mundwa, Nagaur
46	jitendra.mahajan13@gmail.com	Jitendra Kumar
47	Abhishek Mishra	National P.G. College Lucknow
48	Barkha Purohit	The Maharaja Sayajirao University of Baroda
49	Aparna Singh	National P.G. College Lucknow
50	Gudi Sudhakar	Government College for Men KURNOOL Andhra Pradesh India
51	Dhurba Raj Jaishi	Central Department of Physics, Tribhuvan University
52	Dr. Deepaly Nigam	Dr. Akhilesh Das Gupta Institute Of Technology & Management, New Delhi
53	Dr Urvashi Srivastava	PSIT Kanpur
54	Manish Tiwari	PSIT , Kanpur
55	Karanjeetkaur	Khalsa college for women Civil lines Ludhiana
56	Sanjay Kumar Sah	Ph D scholar in Central Department of Physics T.U. Kirtipur, Nepal
57	Alisha Budhathoki	Central Department of Physics, Tribhuvan University, Kirtipur, Nepal
58	Bibek Koirala	Patan Multiple Campus, Tribhuvan University
59	Dr. Jasvendra Tyagi	IMS Engineering College, Ghaziabad, Uttar Pradesh
60	Amar Budhathoki	Tribhuvan University
61	DR. HARSHIKA KUMARI	Dr. Akhilesh Das Gupta Institute of Technology and Management, New Delhi
62	Dr. Nandeibam Nilima Chanu	Oriental College (Autonomous), Imphal, Manipur
63	Abhinav Kumar Khorwal	Central University of Rajasthan, Ajmer
64	Dr. Ravi Pratap Singh	Rajkiya Engineering College Sonbhadra
65	Mr. Muhammad Aamir Iqbal	University of the Punjab, Pakistan
66	Dr Pawan Srivastava	DSN College Unnao
67	Dr. SATYA PRAKASH SINGH	CHRIST CHURCH COLLEGE KANPUR
68	Mitesh Shakya	Christ Church College Kanpur
69	Dr G S MENARIA	St Teresa's JAIPUR
70	Anurag Mishra	Christ Church College Kanpur
71	RASHMI RANJAN ROUTARAY	UTKAL UNIVERSITY, BHUBANESWAR
72	Dr.T.Malsawmtluanga	Dept. of Physics, Lunglei Govt. College
73	Dr. Poonam Bajpai	MBP Govt.P.G.College ,Ashiana ,Lucknow
74	Dr. Awakash Dixit	Indian Institute of Technology Madras, Chennai
75	ITISHREE MOHANTY	Gopabandhu science college
76	Vishal Kumar	IIT [BHU] Varanasi

77	Dr. Satish Chandra	PPN PG College, Kanpur
78	Dr. Potshangbam Sapna	South East Manipur College, Komlathabi, Manipur
79	Ravi Prakash Mahalwala	Christ Church College ,Kanpur
80	Princy Mishra	Institute of Engineering and Technology Lucknow
81	Beddiaf Zaidi	University of Batna 1, Algeria
82	KAPIL KHATRI	PRANVEER SINGH INSTITUTE OF TECHNOLOGY
83	Dr. Bilal Hamid Bhat	Jammu and Kashmir Institute of mathematical sciences
84	Anand Kumar Singh	Institute of Engineering and Technology, Lucknow
85	Abhishek Mishra	National P.G. College Lucknow
86	Dr. Shahnawaz Ahmad	KMC LANGUAGE UNIVERSITY LUCKNOW UP
87	Dr P PParoha	Pranveer Singh Institute of Technology, Kanpur
88	ABDULLAHI ABUBAKAR MUNDI	Nasarawa State University, keffi, Nigeria
89	Dr Fayaz Ahmad Najar	S.P college , Cluster University Srinagar (jammu and kashmir)
90	Dr. AARTEE SHARMA	Shri vaishnav institute of science, SVVV, Indore
91	Dr. Ruby Gupta	Swami Shraddhanand College, University of Delhi
92	L.Rojit Singh	IETE New Delhi
93	Dr.Ramesh Sharma	Feroze Gandhi Institute of Engineering and Technology
94	Ram Babu Ray	Amrit Campus, T. U., Kathmandu, Nepal
95	Dr. Ravi Pratap Singh	Rajkiya Engineering College Sonbhadra
96	Sumiti Narayan Tewari	PSIT KANPUR
97	Dr. SarangthemNabadwip Singh	Oriental College, Takyel, Imphal, Manipur