Workshop on Recent Trends in Emerging Areas of Physics
(3-Day Schedule)

	DAY 1		
26 Feb, 2026	*09:00 – 10:00*	*Registration*	Prof. Ranjan Kumar
	Inaugural Session		
	10:00 Lamp Lighting 10.05 Panjab University Anthem 10.10 Welcome address, (Prof. Sandeep Sahijpal Workshop Co-ordinator RTEAP-2026) 10:15 Inaugural Address by Prof. Meenakshi Goyal (Director Research & Development Cell, Panjab University) 10:20 Introduction of keynote speaker (Session chair: Prof. Ranjan Kumar, Dept. of Physics, PU) 10:25 Keynote address: *Classical Quantum and structured light* (Chief Guest Prof. Arvind IISER Mohali) 11:20 Vote of Thanks (Dr. Neeru Chaudhary, Secretary RTEAP-2026) 11.25 National Anthem		
	11:30 – 11:45	*Tea Break & Networking*	
	Time	**Session/ Speaker**	**Session chair**
	11:45 – 12:45	Dr. Gunjan Baijal *Title: From atoms to anatomy: Bridging Physics and healthcare*	Prof. B.R. Behera
	12:45 – 02:00	*Lunch Break*	
	02:00 – 03:00	Prof. Garima UIET *Title: Mapping MOSFET Device Design Parameters to Digital Circuit Performance in Advanced MOSFET Technologies*	Prof. Vipin Bhatnagar
	03:00 – 04:00	Dr. Vishal Bhardwaj IISER *Title: Understanding Matter at its most fundamental level*	
	04:00 – 04:15	*Tea Break & Networking*	
	04:15 – 05:15	Career counselling	
	DAY 2		
27 Feb, 2026	09:30 – 10:30	Dr. Sathish Kumar Dhayalan, SCL Mohali	Prof. Ranjan Kumar
	10:30 – 11:30	Prof. Sushmita Ghoshal PGI, Chd. *Title: When Physics meets Biology*	
	11:30 – 11:45	*Tea Break & Networking*	
	11:45 – 12:45	Prof. Raman Sharma, HPU	
	12:45 – 02:00	*Lunch Break*	
	02:00 – 03:15	Dr. Sona Das, SCL Mohali	Prof. Sandeep Sahijpal
	03:15 – 03:30	*Tea Break & Networking*	
	03:30 – 05:00	Prof. H.K. Jassal IISER, Mohali *Title: Interacting Galaxies*	
	DAY 3		
28 Feb, 2026	09:30 – 10:30	Dr. Arijit De IISER, Mohali	Prof. S.K.Tripathi
	10:30 – 11:30	Prof. Navdeep Goyal	

	11:30 – 11:45	***Tea Break & Networking***	
	11:45 – 12:45	*Dr. Amit Doeger* *Title: Artificial Intelligence for science applications*	Prof. Vipin Bhatnagar
	12:45 – 2:00	***Lunch Break***	
	02:00 – 03:00	Prof. J S Bagla IISER Mohali *Title: Computational Astrophysics*	Prof. Sandeep Sahijpal
	03:00 – 04:00	Panel Discussion (BRB, DM, RK, VB, NC, Placement cell)	
	04:00-05:00	Valedictory and Feedback session	Prof. Samarjit Sihotra
	05:00-05:15	***Tea & Networking***	