

Schedule of ILA Short Courses I

LASER - A Versatile Tool for Research and Technology Development

Day I: 10.02.2021					
Sr. No.	Time	Resource Person Name & Designation	Affiliation	e-mail	Title of Lecture
1	10:30 AM	Dr. Suprajnya Thakur, Associate Professor	Department of Physics, Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore, MP, India	suprajnyathakur@svvv.edu.in	LASER: The Magical Ray of Light
2	11:30 AM	Dr. Pratima Sen, Professor	School of Physics, DAVV, Indore, MP, India	pratimasen@gmail.com	“Electronics Versus Photonics”
3	01:30 PM	Dr. Joseph Thomas Andrews, Professor	Department of Applied Physics & Optoelectronics, Shri Govindram Seksaria Institute of Technology Science, MP, India.	jtandrews@gmail.com	“Bio-medical Applications of Laser”
4	02:30 PM	Dr. Joseph Thomas Andrews, Professor & Team	Department of Applied Physics & Optoelectronics, Shri Govindram Seksaria Institute of Technology Science, India.	jtandrews@gmail.com	Experimental demonstrations: <ol style="list-style-type: none"> 1. Design of Beam Expander & Measurement of Laser Beam Divergence. 2. Measurement of Coherence Length 3. Determination of the Verdet's Constant using Magneto Optic Effect.

Day II: 11.02.2021					
1	10:30 AM	Dr. S.K. Dixit, Prof. HBNI and Head, Fiber Sensor and Optical Spectroscopy Section	Raja Ramanna Centre for Advanced Technology, Indore, MP, India	skdixit@rrcat.gov.in	“Optical Fiber Sensors and their Applications”.
2	11:30 AM	Dr. Vinod S. Rawat Scientist - G	Bhabha Atomic Research Centre (BARC), Mumbai, Maharashtra, India	vsrawat2006@gmail.com	“Laser: an experimental tool for Physicists and Engineers”
3	01:30 PM	Dr. Fouran Singh, Scientist - G	Inter-University Accelerator Centre (IUAC), New Delhi, India	fouran@gmail.com	“Raman Spectroscopy”
4	02:30 PM	Dr. Joseph Thomas Andrews, Professor & Team	Department of Applied Physics & Optoelectronics, Shri Govindram Seksaria Institute of Technology Science, India.	jtandrews@gmail.com	Experimental demonstrations: <ol style="list-style-type: none"> 1. Measurement of Screw parameters (Pitch, ID and OD) using Laser diffraction. 2. Recording and Reconstruct of Hologram 3. Calibration Micro-bending Sensor and Measurement of load by it.