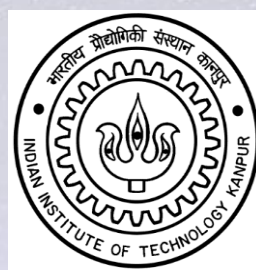


# SKA India Training School-II Schedule



Day / Date / Venue	Time	Title of talk	Speaker
<b>Monday</b> 29th June 2026 (LH-10) Lab at SPASE Department	08:30-09:15	Registration	
	09:15-10:00	Inauguration Ceremony & Welcome	
	10:00-11:00	An Introduction to Radio Sky	Neeraj Gupta (IUCAA)
	Tea Break		
	11:20-12:20	Multiwavelength Astronomy	Amitesh Omar (IITK)
	12.20-13.20	Introduction to Radio Astronomy & SKA	Pankaj Jain (IITK)
	Lunch Break		
	14:30-17:30	SPASE Lab-722: Antenna design and beam pattern generation SPASE Lab-705: Building an antenna for 1420 MHz	Lab Team
<b>Tuesday</b> 30th June 2026 (LH-10) Lab at SPASE Department	8.30-9.30	Introduction to the Two-Element Interferometer	Narendra Nath Patra (IITI)
	9.30-10.30	Basics of Radio Telescopes: Receivers	Jagadheep D. Pandian (IIST)
	Tea Break		
	11.00-12.00	Introduction to Interferometry & Imaging-I	Neeraj Gupta (IUCAA)
	12.00-13.00	Introduction to Interferometry & Imaging-II	Narendra Nath Patra (IITI)
	Lunch Break		
	14.30-17.30	SPASE Lab-722: Measurement of correlated and uncorrelated noise statistics SPASE Lab-705: Building an antenna for 1420 MHz	Lab Team
<b>Wednesday</b> 1st July 2026 (LH-10)	08:30-10:00	"What radio telescopes see?" - A Hands-on session	Neeraj Gupta (IUCAA)
	10:00-11:00	Signal processing in radio astronomy	V. Mugundhan (IITK)
	Tea Break		
	11:20-12:20	Fourier Transform and its applications in radio astronomy	Jagadheep D. Pandian (IIST)

<b>Lab at SPASE Department</b>	12.20-13.20	Space weather and the Sun-Earth system in the era of SKA	Rohit Sharma (IITK)
		Lunch Break	
	14.30-17.30	SPASE Lab-722: Introduction to software-defined radio: demonstration of auto- and cross-correlations SPASE Lab-705: Beam pattern measurement for the antenna	Lab Team
<b>Thursday 2nd July 2026 (LH-10) Lab at SPASE Department</b>	09:00-10:00	Introduction to SKAO	Yashwant Gupta (NCRA-TIFR)
	10:00-11:00	Careers in Radio Astronomy in the SKAO era	Yogesh Wadadekar (NCRA-TIFR)
		Tea Break	
	11.30-12.30	Ionospheric Studies using SKA	Abhirup Datta (IITI)
		Lunch Break	
	14.30-17.30	SPASE Lab-722: Basic Radio data analysis using CASA SPASE Lab-705: Receiver chain development and characterisation	Lab Team
<b>Type-II Community Center</b>	19:00 – 22:00	<b>SKA-India Training School Gala Dinner</b>	
<b>Friday 3rd July 2026 (LH-10) Lab at SPASE Department</b>	09:00-10:00	GMRT and the future of radio astronomy in India	Yashwant Gupta (NCRA-TIFR)
	10:00-11:00	Application of AI/ML in radio Astronomy	Yogesh Wadadekar (NCRA-TIFR)
		Tea Break	
	11.30-12.30	Panel discussion / Q&A	
		Lunch Break	
	14.30-17.30	SPASE Lab-722: Basic Radio data analysis using CASA SPASE Lab-705: Adding Interferometer Experiment	Lab Team
<b>WEEK-2</b>			
<b>Monday 6th July 2026 (LH-10) Lab at SPASE Department</b>	09:00-10:00	Basics of radio telescopes: Antennas	AR Harish (IITK)
	10:00-11:00	Basics of Radio Telescopes: Single Dish	Avinash Deshpande (IITK)
		Tea Break	
	11.30-12.30	Calibration techniques in interferometric observations	Divya Oberoi (NCRA-TIFR)
		Lunch Break	
	14.30-17.30	SPASE Lab-722: Antenna design and beam pattern generation SPASE Lab-705: Building an antenna for 1420 MHz	Lab Team
	09:00-10:00	Radio Galaxies and AGNS	Surajit Paul (MAHE)
	10:00-11:00	Solar Radio astronomy in the era of SKA	Divya Oberoi (NCRA-TIFR)

<b>Tuesday 7th July 2026 (LH-10) Lab at SPASE Department</b>	Tea Break		
	11.30-12.30	Continuum Science with SKA	Surajit Paul (MAHE)
	Lunch Break		
	14.30-17.30	SPASE Lab-722: Measurement of correlated and uncorrelated noise statistics SPASE Lab-705: Building an antenna for 1420 MHz	Lab Team
<b>Wednesday 8th July 2026 (LH-10) Lab at SPASE Department</b>	09:00-10:00	Our Galaxy/Cradle of Life	Manoj Puravankara (TIFR-Mumbai)
	10:00-11:00	Gas in galaxies: the Milky Way, Local Volume & distant Universe	Prasun Dutta (IIT BHU)
	Tea Break		
	11.30-12.30	Transients: Pulsars & Neutron Stars	Mayuresh Surnis (IISER Bhopal)
	Lunch Break		
	14.30-17.30	SPASE Lab-722: Introduction to software-defined radio: demonstration of auto- and cross-correlations SPASE Lab-705: Beam pattern measurement for the antenna	Lab Team
<b>Thursday 9th July 2026 (LH-10) Lab at SPASE Department</b>	09:00-10:00	Introduction to Phased Array Techniques	Avinash Deshpande (IITK)
	10:00-11:00	Introduction to Pulsar observation	Mayuresh Surnis (IISER Bhopal)
	Tea Break		
	11.30-12.30	RFI Mitigation or High-performance wide-band antennas	V. Mugundhan (IITK)
	Lunch Break		
	14.30-17.30	SPASE Lab-722: Basic Radio data analysis using CASA SPASE Lab-705: Receiver chain development and characterisation	Lab Team
<b>Friday 10th July 2026 (LH-15) Lab at SPASE Department</b>	09.30-12.30	LAB-1: Basic Radio data analysis using CASA LAB-2: Adding Interferometer Experiment	Lab Team
	Lunch Break		
	14:00-15:00	Cosmology and the early universe	Prasanta Kumar Das (BITS-Pilani-Goa)
	15:00-16:00	Epoch of Reionisation using SKA	Kanan K Datta (Jadavpur University)
	Tea Break		
	16.30-17.30	Proposal writing / Observing with a telescope	Kunal Mooley (IITK)
	17:30-17:45	Closing Remarks / End of the SKAITS-II	