

**5-Day Short Term Training on GLOBAL NAVIGATION SATELLITE SYSTEMS, June 24-28 2019**

Communication Research LAB, Sardar Vallabhbhai Patel national Institute of Technology, Surat, Gujarat -395007

		9.00-9.30		9.30-11.00	11.00-12.30		14.00-15.30		15.45-17.30
Day-1 24/6/2019	GNSS Technologies and Applications	Registration	TEA	GNSS Terminology (Shri. Atul Shukla, ISRO)	GNSS Overview (Shri. Atul Shukla)	LUNCH	NavIC/IRNSS Overview & Signal Structure (Mr. Kalpesh Borsadiya, ISRO)	TEA	GNSS receiver Overview (Mr. Kalpesh Borsadiya)
		9.00-10.30		10.45-12.00	12.00-13.30		14.30-16.00		16.10-17.45
Day-2 25/6/2019		GPS Architecture (Prof. P.Laxminarayan, Osmania University)		GPS Signal Structure (Prof. P.Laxminarayan)	Acquisition of GNSS Signals ( Prof. Nitin Sharma)		Tracking of GNSS Signals (Prof. Nitin Sharma)		Navigation Processing (PVT Algorithm) (Prof. P.Laxminarayan)
Day-3 26/6/2019		Adaptability and Usage of GNSS Simulator for GNSS R & D Activities (Accord)		Augmentation Systems with GAGAN (Prof. P.Laxminarayan,	DGPS Standards (Prof. Anindya Bose)		Hands on practice on IRNSS/NAVIC Positioning (Prof. Anindya Bose and team)		GNSS in Smart-Phone
Day-4 27/6/2019		Error Sources, and Measurements (Prof. Anindya Bose)		Ionosphere Modelling (Mr. Mehul Desai, PhD scholar, SVNIT)	GNSS Applications (Prof. Anindya Bose)		GNSS Simulator (Accord)		GNSS Simulator (Accord)
Day-5 28/6/2019		Radio Frequency Interference Akhileshwar Reddy (ISRO HQ)		Case study on: Intentional interference (Ms. Priyanka Lioneswala, PhD scholar, SVNIT)	Case study on: Unintentional interference (Ms. Darshna Jagiwala, PhD scholar, SVNIT)		Research Opportunities Dr. Rajat Acharya (ISRO)		Valedictory Function