

### List of Topics taught and Speakers

Topics	Speakers	Date	Sl No
Opening Remarks	Dr. Kusuma G Rao IARSc, Bangalore	Feb 20, 2021	
Course Team & Coordination	Prof. N K S Rajan Mr. B S Raju Mr. Manu Gowda IISc, Bangalore	Feb 20, 2021	
Basic Physics of the Sun	Prof. P. Venkatakrisnan, PRL, Ahemdabad	Feb 20, 2021	1
Sun's Radiation reaching Earth-Atmosphere system		Feb 27, 2021	2
Structure of the atmosphere and Coordinate system for Atmospheric studies	Prof G Bala, CAOS, IISc, Bangalore	Mar 6, 2021	3
Cloud systems & Earth-Atmosphere radiation budget		Mar 13, 2021	4
Cloud systems & Earth-Atmosphere radiation budget (Continued)		Mar 20, 2021	5
State of the atmosphere and atmospheric stability	Dr Abhilash ACARR, CUSAT, Kochi	Mar 27, 2021	6
Weather systems of Indian region		Apr 3, 2021	7
Indian Monsoons and Monsoon Variability	Dr A K Mitra NCMRWF, New Delhi	Apr 10, 2021	8
Monsoon variability and Teleconnections	Dr Ashok Karumuri, CEOA, University of Hyderabad	Apr 17, 2021	9
I Quarter Oral test	Basic Course Participants	Apr 24, 2021	10
Autonomous unmanned aerial vehicles (UAVS) for Atmosphere and Climate Studies	Dr M V Ramana, NRSC, Hyderabad	May 22, 2021	13
Aerosol-Cloud-Albedo interactions using stacked UAVS		May 29, 2021	14
Atmospheric measurements with surface instrumentation	Dr Geetha Agnihotri, IMD, Bangalore	Jun 12, 2021	16
Basic Atmospheric Radars	Special lecture by Prof P B Rao, IARSc, Bangalore	Jun 19, 2021	17
Indian MST Radar for atmospheric Studies		Jun 26, 2021	18
II Quarter Oral test	Basic Course Participants	Jul 3, 2021	19
Atmospheric phenomena of the Indian region with Meteorological Satellite Missions	Dr Virendra Singh, IMD, New Delhi	Jul 10, 2021	20

Atmospheric phenomena of the Indian region with Meteorological Satellite Missions' (Continued)		Jul 17, 2021	21
Basics of Satellite Technology	Shri G Ravi Chandra Babu, URSC, Bangalore	Jul 24, 2021	22
Indian MST Radar for atmospheric Studies (Continued)	Special lecture by Prof P B Rao, IARSc, Bangalore	Jul 31, 2021	23
Satellite Data Validation with Special reference to NWP	Dr V S Prasad, NCMRWF, New Delhi	Aug 7, 2021	24
An Overview of Meteorological and Oceanographic satellites of ISRO	Dr C. M. Kishtawal, SAC, Ahmedabad	Aug 21, 2021	25
GPS RO Technique and ISRO Satellite missions	Shri R Babu, U R Rao Satellite Centre, Bangalore	Aug 28, 2021	26
Satellite measurements of Atmospheric Parameters using GPS RO technique	Dr. D. Jagadheesha, ISRO Hq, Bangalore	Sept 4, 2021	27
Monsoon variability with satellite missions TRMM & GPM	Dr. Kusuma G Rao, IARSc, Bangalore	Sep 18, 2021	28
Regional weather modelling for Sriharikota in support of ISRO Satellite launches		Sep 25, 2021	29
Practical Training on Satellite Data analysis and interpretation: On Data portal at National Remote Sensing Centre, Hyderabad	Dr. M V Ramana, NRSC, Hyderabad	Oct 9, 2021	30
Practical Training on Satellite Data analysis and interpretation		Oct-Nov, 2021	