

List of Topics taught

| 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. Venkatakrishnan, 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 |
| First Seminar of the Course | Advanced Course Participants | Apr 24, 2021 | 11 |
| First Seminar of the Course | | May 15, 2021 | 12 |
| 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 |
| First Seminar of the Course | Advanced Course Participants | Jun 5, 2021 | 15 |
| 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 |

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| 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 |
| On Data portal at National Remote Sensing Centre, Hyderabad | Dr. M V Ramana, NRSC, Hyderabad | Oct 9, 2021 | 30 |
| Final Seminar of the Course | By Advanced Course Participants | Oct 16, 2021 | |
| | | Oct 30, 2021 | |
| | | Nov 6, 2021 | |
| | | Nov 13, 2021 | |
| | | Nov 20, 2021 | |
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