

**Training program AU**  
**FINAL REPORT**  
**5TH JUNE TO 14TH JUNE 2023**

**Day 1:- 05/06/2023**

At 9 AM, the program started with a registration process of candidates and the distribution of stationary to the participants then the program started with an inaugural function by the guest of honors, from 10 to 11 AM, Expert Talk: Introduction to Meteorological Instruments was taken by Dr.S.R.Rao, and from 11 15 to 1 15 PM, theory on Pure and applied meteorology in service of society was taken up by Professor K.P.R.Vittal Murthy. In the afternoon session, the theory, session, on Observations Techniques Professor P.Sunitha from 1 30 to 5 30 PM.

**Day 2:- 06/06/2023**

From 9 a.m to 11 a.m, The theory session on Tracking and understanding meteorology and oceanography through satellite remote sensing techniques was taken up by Professor O.S.R.U.B.Kumar, from 11 15 to 1 15 PM, theory session on the Blue economy with special reference to Indian coast challenges and opportunities was taken up by Professor P.Rajendra Prasad and Professor P.Rama Rao. In the afternoon session, Hands-on experience in Data analysis using statistical packages was explained by Professor Muni Swamy from 1 30 to 5 30 PM.

**Day 3:- 07/06/2023**

From 9 a.m to 11 a.m, the theory session on Land-air-sea interactions-An overview was taken up by Professor B.S.R. Reddy, from 11 15 to 1 15 PM, the theory session on Intra seasonal synoptic scale variability over the Bay of Bengal during the South-west monsoon was taken up by Dr. V.S.N.Murthy In the afternoon session, Field trip: Beach profile and RIP currents Dr. S.R.Rao from 1 30 to 5 30 PM.

**Day 4:- 08/06/2023**

From 9 a.m. to 11 a.m The theory session on A perspective on aerosol atmosphere-ocean interaction was taken up by Professor K. Niranjan, from 11 15 to 1 15 PM, theory session on Basics of weather modeling- was taken up by Professor D.V. Bhaskar Rao. In the afternoon session, Field trip: Air Pollution Monitoring was taken by Dr.S.R.Rao from 1 30 to 5 30 PM.

**Day 5:- 09/06/2023**

From 9 a.m. to 1 p.m The theory session on the Influence of Land Ocean atmospheric interactions on the Ocean Ecosystem was taken up by Dr. V.V.S.S.Sarma, from 11 15 to 1 15 PM, theory session on Atmosphere Ocean coupled system was taken by Dr.R.R.Rao, In the afternoon session on Installation and analysis of WRF model outputs was taken up by Dr. O.Krishna Kishore from 1 30 to 5 30 PM.

**Day 6:- 10/06/2023**

From 9 a.m. to 11 p.m, The theory session on Concepts of numerical modeling: Challenges in predicting extreme weather events was taken up by Dr. O.Krishna Kishore, from 11 15 to 1 15 PM, theory session on Data assimilation- Professor P. Srinivas took up methods, aspects, and application to monsoon prediction. In the afternoon session, Laboratory visits: IMD, and DWR were handled by Mrs. Sunanda, IMD Director from 1 30 to 5 30 PM.

**Day 7:- 11/06/2023**

From 9 a.m. to 11 p.m. theory on Climate change over India was taken up by Dr.C.V. Naidu, and from 11 15 to 1 15 PM, a theory session on Indian monsoon and their rain bearing systems was taken by Dr.S.R.Rao. In the afternoon session, Hands-on training in Statistical Software was explained by Dr. S.R. Rao from 1 30 to 4 PM, feedback session, valedictory and certificate distribution from 1 30 to 5 30 PM.