

Dr. Preveen Kumar D



Dr. Preveen Kumar D did his M Sc (Space Physics) from Andhra University and later his Ph D. in Middle Atmosphere Dynamics from Delhi University. During his Ph D. he had extensive experience on remote sensing especially on the National MST Radar facility. He has published seven research papers in International Journals. He joined the National Centre for Medium Range Weather Forecasting(NCMRWF) as a scientist in 1998.

He has been responsible for providing computational support for internal and external users of NCMRWF supercomputing facility. He has been the architect of all major Information Technology setup at NCMRWF and taken responsibility for delivery of systems and solutions. He was instrumental in setting up the core IT facilities for the smooth relocation of NCMRWF to Noida thus enabling uninterrupted generation of Medium Range Weather Forecasts..

He has contributed extensively in the augmentation of High performance computing facility in all the constituent units of MoES. His recent contribution in the augmentation of computing power to petaflop-scale facility to cater to the computational requirement of all the constituent units of MoES has been exemplary. His noteworthy contribution in particular being the design of benchmark and technical specification of the petaflop-scale system.

He is now working on the assimilation of Doppler Weather Radar(DWR) data in the Unified Model. For the first time the quality index maps for the Indian DWR have been generated by his group.

He has provided support in planning and executing various IT projects at the NCMRWF. He has provided his expert consultancy to the World Food Programme to setup an end-to-end forecasting system at Bangladesh Met Service. He is member of various National Committees.

Dr. Preveen Kumar D is awarded Certificate of Merit for his outstanding contributions for providing computational support for internal and external users of NCMRWF supercomputing facility.