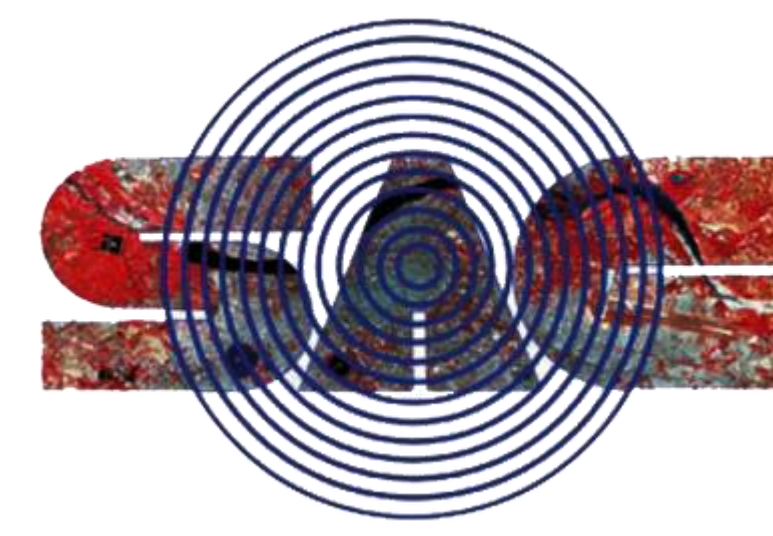




Ahmedabad Chapter



India Meteorological Department is celebrating 150<sup>th</sup> year of its establishment during 15<sup>th</sup> January 2024-15<sup>th</sup> January 2025. In this backdrop a series of Popular talks are being organized by IMD.

In this series, India Meteorological Department in collaboration with Indian Meteorological Society, Ahmedabad Chapter (IMSA) and Space Applications Centre (SAC) invites you to the

**Popular talk on**

## **Role of Space Sector in supporting IMD**



**18 Nov. 2024, Monday**



**3:00 PM**



**Yash Pal Auditorium, Space Applications Centre (ISRO), Ahmedabad**

<https://youtube.com/live/p8CRC36JmW8?feature=share>



**Shri Nilesh M Desai**  
**Director, Space Applications Centre**



**Scan the QR code to join**

### **About the speaker**

Shri Nilesh M Desai has contributed extensively in the design and development of ISRO's Microwave Radars (RISAT, Oceansat, NISAR, Chandrayaan), and realisation of advanced and synergetic applications involving earth observation, navigation and communication. He has provided leadership and direction in developing and strengthening space infrastructure and its applications. Many State-of-the-Art technologies utilised in projects for governance, development and strategic use involving synergetic satellite Communication and Navigation (ComNav) based applications were developed under his leadership.

### **About the Talk**

The space sector plays a vital role in supporting the India Meteorological Department (IMD) by providing real-time satellite data for weather forecasting, cyclone tracking, and environmental monitoring. Satellites like INSAT and GSAT enable IMD to monitor cloud cover, sea surface temperatures, and atmospheric conditions, improving forecast accuracy. Space-based remote sensing aids in disaster management, agriculture planning, and climate research. Additionally, space technologies help track cyclones, issue early warnings, and monitor air quality, contributing to public safety and disaster preparedness. Collaboration between IMD and ISRO enhances forecasting capabilities, benefiting both short-term weather predictions and long-term climate studies.

***Celebrating glorious 150 years in Service to the Nation***