

Indian Society of Remote Sensing – Ahmedabad Chapter (ISRS-AC)
Indian Meteorological Society– Ahmedabad Chapter (IMSA)
Indian Society of Geomatics – Ahmedabad Chapter (ISG-AC)
Space Applications Centre, ISRO
Anand Agricultural University (AAU)
Gujarat Council of Science & Technology
&
Sardar Patel University

cordially invite you all for

“National Science Day - 2025”



celebration

with popular lecture on



Topic:

“Harnessing Space Technology for Societal Benefits”

by

Shri. Nilesh M. Desai
(Distinguished Scientist &
Director, SAC)



February 28, 2025 (13:00 hrs – 14:00 hrs)

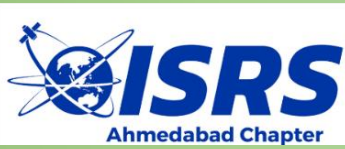
Venue:

**Auditorium, BA college of Agriculture,
Anand Agricultural University (AAU), Anand, Gujarat**

Shard Chander
Secretary, ISRS-AC

Suchandra Bhowmick
Secretary, IMSA

Manish Parmar
Secretary, ISG-AC



Brief Biodata of Shri. Nilesh M. Desai

Shri Nilesh M. Desai, Distinguished Scientist, is the Director of Space Applications Centre (SAC), Ahmedabad, a lead centre of Indian Space Research Organisation (ISRO), for design and development of space-borne instruments and associated applications. Born on 1st April, 1964 at Navsari, Gujarat, Shri Nilesh Desai, is a top ranker and gold-medalist of 1985/86 BE (Electronics & Communication) batch of L. D. College of Engineering, Gujarat University, Ahmedabad, India. Immediately thereafter, in 1986, he started his professional career at SAC/ISRO, Ahmedabad in ISRO's Microwave Remote Sensing Programme (MRSP). In his thirty-six plus years of dedicated and illustrious engineering and research career, he has been involved in design and development of ISRO's Microwave Radar Systems, and realization of entire gamut of advanced and synergetic applications involving earth observation, navigation and communication technologies for societal benefits, governance and strategic uses.

Shri Nilesh Desai is a highly accomplished Engineer, who has successfully led the design and development of ISRO's airborne & Spaceborne Microwave Remote Sensing Payloads like RISAT-1 C-Band Synthetic Aperture Radar (SAR), Oceansat-2 and Scatsat-1 Scatterometers, Chandrayaan-2 Orbiter SAR and Lander Altimeter and Hazard Detection & Avoidance Processing System, Airborne SAR for Disaster Management, MiniSAR etc. and associated Signal & Data Processing and Remote Sensing Applications. He was also responsible for the design & development of different types of real time data processing techniques, User Receivers for indigenous NavIC (Navigation with Indian Constellation) satellites and SatCom Hub Earth Stations and user terminals for Mobile, Broadband & High Throughput communication satellites. He has made considerable efforts in popularizing and proliferating usage and applications of indigenous navigation technologies like NavIC and Gagan for commercial, governmental and strategic users. He has also mentored the design of world class courses on Satellite Communication (SatCom) and Global Navigation Satellite Systems (GNSS), under the aegis of United Nations Centre for Space Science and Technology Education for Asia and the Pacific (UN-CSSTEAP).

He has been the main author or co-author of about 175 technical papers presented at various national and international conferences within and outside India. He represented ISRO/India at various international forums at Austria, China, France, Germany, Israel, Russia, Singapore, South Africa and United Kingdom, including delegations at International Committee on Global Navigation Satellite System (ICG) meetings & conferences. He is the recipient of ISRO Performance Excellence Award-2018, ISRO Individual Merit Award-2010 and ISRO Team Award for RISAT-1 Payload Design, Realization and Data products for the year-2012.

Contacts

ISRS-AC: Tel: 91-79-2691 4137, Email ID: isrsac2020@gmail.com, Web: www.isrs-india.org

IMSA: Tel: 91-79-2691 6047, Email ID: imsa.sec@gmail.com, Web: www.imsa.net.in

ISG-AC: Tel: 91-79-2691 4028, Email ID: secretary.isgac@gmail.com, Web: www.isgindia.org