

Ahmedabad Chapter



INDIAN METEOROLOGIST LECTURE SERIES

Inaugural Lecture dedicated to

VARĀHA-MIHIRA : A PIONEER OF INDIAN
METEOROLOGY

March 08 2025



Navrachana University,
Vasna Bhayli Road, Vadodara – 391410

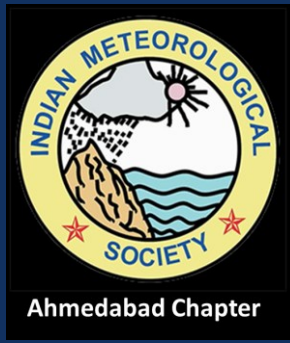
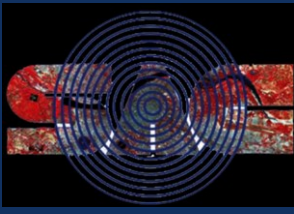


2.00 PM onwards



Speaker: **Shri Nilesh M. Desai**
Director, Space Applications Centre,
ISRO, Ahmedabad





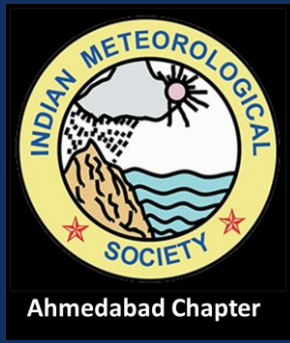
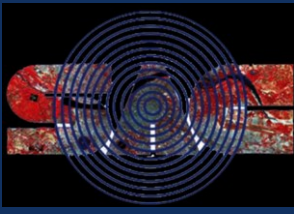
Indian Meteorological Society Ahmedabad Chapter announces the “Indian Meteorologist Lecture Series” (IMLS) dedicated to famous Indian meteorologist whose contributions played crucial role in shaping the country’s socio-economic landscape.

The IMLS is an educational initiative aimed at promoting a deeper understanding of meteorology and its significance in India. It brings together renowned experts, meteorologists, and researchers to share insights on the science of weather forecasting, climate change, and extreme weather events. It covers briefing about the life, achievement and contribution of the renowned meteorologist and a wide range of topics, including the history and evolution of meteorology in India and the role of advanced technologies such as satellite meteorology in weather prediction. Special emphasis is placed on the Indian monsoon system, its impact on agriculture, water resources, and the challenges in predicting its behaviour. Discussions on climate change and its effects on regional weather patterns are also key components of the series, with a focus on strategies for adaptation and mitigation.

The series will explore the challenges faced by meteorologists in predicting extreme weather events like cyclones, floods, and droughts. The initiative aims to foster greater awareness and appreciation for the work of meteorologists, inspire future professionals in the field, and contribute to more informed public discourse on weather-related issues in India.

Director Space Applications Centre (ISRO), Shri Nilesh M. Desai will deliver the inaugural lecture of IML series dedicated to Varāhamihira, Pioneer of Indian Meteorology on March 8, 2025 from 2.00 PM at Auditorium of Navrachana University, Vasna Bhayli Road, Vadodara – 391410 Gujarat.

All members are cordially invited for the event.



Varāha-mihira : A Pioneer Of Indian Meteorology

Varāha-mihira, *the Vedic Seer*, was one of the most prominent scholars and sages of ancient India. He lived during the 6th century CE and is best known for his contributions to meteorology, astrology, astronomy, and mathematics. His work, which spans several fields of knowledge, helped shape Indian science and philosophy. He lived in or around Ujjain in present day Madhya Pradesh in the sixth century CE.

The formulas for predicting rainfall, developed over 1500 years ago by him remain relevant still today. His observations on the behaviour of clouds, winds and stars formed the basis for weather forecasting in ancient India. He emphasised the importance of observing natural phenomena and combining these observations with mathematical calculations to achieve accurate predictions.

The Brhat Samhita, one of Varāha-mihira's most celebrated works, contains a wealth of information on meteorology. It addresses the phenomenon of rainfall across eight chapters. Additionally, the treatise offers meteorological insights on topics such as halos around the sun and moon, cloud formations, winds, red skies before sunrise and after sunset, dust storms, thunderbolts, astronomical events like meteor falls, among others. Varāhamihira is credited with developing formulas for predicting rainfall.

Courtesy: <https://scienceindiamag.in>

