



Prof. K G Nair MEMORIAL LECTURE 2026



SENSORS FOR AIRBORNE WARFARE

Dr. Duvvuri Seshagiri

Scientist H & Director
Naval Physical and Oceanographic
Laboratory (NPOL)
Defence Research and Development
Organisation (DRDO), Kochi



Venue



DEPARTMENT OF ELECTRONICS AUDITORIUM
Cochin University of Science and Technology (CUSAT)
KOCHI



10:00 AM



19 February 2026



This Memorial Lecture honours Prof. K Gopalakrishnan Nair, popularly known as K G Nair, in recognition of his distinguished contributions to Science, Technology, and Education. This year marks the Golden Jubilee of the Department of Electronics at Cochin University of Science and Technology (CUSAT) — a milestone celebrating fifty years of academic excellence, research, innovation, and service to society. As part of the Golden Jubilee commemorations, the Department proudly presents the Prof. K G Nair Memorial Lecture in reverent remembrance of Prof. Nair, who served as the Head of the Department for fifteen distinguished years and whose visionary leadership laid a strong foundation for its growth and reputation.

This programme is organised in collaboration with the Sophisticated Test and Instrumentation Centre (STIC) and the Centre for Science In Society (C-SIS), CUSAT, with the gracious support of Prof. Nair's family.

On this occasion, which also marks his fourth Memorial Day, Dr. Duvvuru Seshagiri, Scientist H & Director of the Naval Physical and Oceanographic Laboratory (NPOL), Kochi, will deliver the Memorial Lecture, sharing insights inspired by Prof. Nair's vision and enduring academic legacy.

10.00am : Inauguration and Tributes to
Prof. K G Nair

10.30am : Sensors for Airborne Warfare by
Dr. Duvvuri Seshagiri,
Director & Scientist H, NPOL, DRDO, Kochi

11.30am: Concluding Remarks followed by
Refreshments



CENTRE FOR
SCIENCE IN SOCIETY,
CUSAT

C-SIS

Prof. K G Nair (1934-2022):

Through his publications, poems and fictions, Prof. Nair played a key role in popularizing science among children and the common man. His initiative played a major role in establishing several prestigious departments at the Cochin University of Science and Technology (CUSAT), including the Sophisticated Test and Instrumentation Centre (STIC), the Centre for Science in Society (C-SIS) and the Department of Electronics (DoE). Prof. Nair has published 190 research papers in the field of microwave electronics, 130 science articles, a book on science-based poem and three books on popular science. Associating with Kerala Bhasha Institute, he has translated several science books into Malayalam.

Dr. Duvvuri Seshagiri, Scientist H, is the Director of the Naval Physical and Oceanographic Laboratory (NPOL) in Kerala. Presently at NPOL, he is steering the various SONAR projects pertaining to ATVP platform, P76 class of submarines and other Ship borne and Airborne SONARS. He was serving as the Head of Airborne and Space-borne Radar division at LRDE Bangalore before assuming charge as the 11th director of this prestigious laboratory.

Dr. D Seshagiri joined LRDE, Bangalore in 2002 as a junior scientist and worked in the prestigious program-Air Defence (AD). He had operationalized very long-range radar systems and played a key role in multiple AD missions. He was the lead of the radar system group for airborne systems and pioneered the design and development of India's first indigenous active phased array radar, LSTAR, which led to the development of primary radar of AEW&C. He also served as the project director of Uttam, the indigenous radar used in Tejas Light Combat Aircraft (LCA). This Airborne Radar made India self-reliant in the Airborne Radar Segment. India is the third country in the world to successfully develop both Airborne and Fire Control Radars. **He played a pioneering role in making India self-reliant in Airborne Radars.** He has received multiple awards including Scientist of the Year award in 2011, IETE-IRS award 2019, SKOCH platinum award 2016 and Path breaking research award 2020 for development of Uttam radar for LCA. He has published around 40 research articles in prestigious national and international conferences and journals.



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Registration

<https://forms.gle/sB22zELZRiInz4ms7>



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