



DHARMAMURTHI RAO BAHADUR CALAVALA CUNNAN CHETTY'S HINDU COLLEGE



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DEPARTMENT OF PHYSICS

CELEBRATES



World Space
Week OCTOBER 4-10

WORLD SPACE WEEK (WSW-2025)

THEME: "LIVING IN SPACE"

in Collaboration with

ASTRO CLUB THIRUVALLUR

CHIEF GUEST

Shri. G. GRAHADURAI

Outstanding Scientist, Deputy Director, (Rtd.)

Range operations SDSC-SHAR/ISRO/DOS Sriharikota.

FELICITATION

Dr. J. R. PAZHANISWAMI

District Science Officer (Retired)

Tamilnadu Science and Technology Center.

President, Astro Club

Thiruvallur District.

Thiru. S. P. SELLAKUMAR

Secretary, Tamilnadu Astronomy

and Science Society.

DATE: 10.10.2025

TIME: 10:00 AM

VENUE: CUNNAN CONFERENCE HALL

Dr. G. SURESH

Programme Convenor,

Assistant Professor & Head

Dr. K. SRIDHAR

Dean (Academics)

Dr. N. Rajendra Naidu

Director

Dr. G. Kalvikkarasi

Principal

Sri . M. Venkatesaperumal

Honorary Secretary

Members of Trust Board

Sri. M.V. CUNNIAH CHETTY

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Sri. RAMESH CHITRALA

Sri. B. GAUTHAM

Sri. C. PARANKUSAM

Sri. VEERARAGHAVA MUKKALA

Dr. VUPPUTUR SHAKTI AKASH RAJ

ABOUT THE WORLD SPACE WEEK CELEBRATION - 2025

Established by the United Nations, it commemorates two significant milestones: the launch of Sputnik 1 on October 4, 1957, and the signing of the Outer Space Treaty on October 10, 1967. Each year has a specific theme for 2025 "LIVING IN SPACE" focusing on different aspects of space science and technology.



ABOUT THE RESOURCE PERSON

G. GRAHADURAI is an Outstanding Scientist serving as Deputy Director (Rtd.) Range Operations at SDSC-SHAR, ISRO.

- He began his career in 1987 as a software engineer after graduating with distinction from Coimbatore Institute of Technology.
- Over nearly four decades, he has played a pivotal role in shaping ISRO's range operations and IT infrastructure.
- His early work focused on mission control software and transitioning mission computers to newer generations.
- He later led the design and implementation of extensive computer networks, data centers, and enterprise resource planning (ERP) systems that support both mission-critical and administrative functions.
- As Range Operations Director, he has overseen 22 major launches including PSLV, GSLV-MKII, LVM3, SSLV, and the TV-D1 mission, and has served as Information Security Officer ensuring cybersecurity across SDSC-SHAR.
- His contributions include the realization of advanced meteorological systems, mission control centers, satellite checkout networks, and IP-based communication systems.
- He was instrumental in establishing the Gaganyaan Control Facilities and the SSLV launch complex at Kulasekarapattinam, as well as the Atmospheric Space Research Facility in Balasore, Odisha.
- His leadership enabled the deployment of radar systems, telecommand chains, timing distribution networks, and high-performance computing for weather modeling. He consistently drove the modernization of range tracking systems, CCTV, and voice-video infrastructure.
- His work earned the ISRO/ASI Team Excellence Award in 2009 and recognition as part of the Chandrayaan-3 team with the Rashtriya Vigyan Puraskar in 2024, underscoring his enduring impact on India's space program.