भौतिक अनुसंधान प्रयोगशाला, अहमदाबाद

Physical Research Laboratory, Ahmedabad

https://www.prl.res.in/prl-eng/prlat75

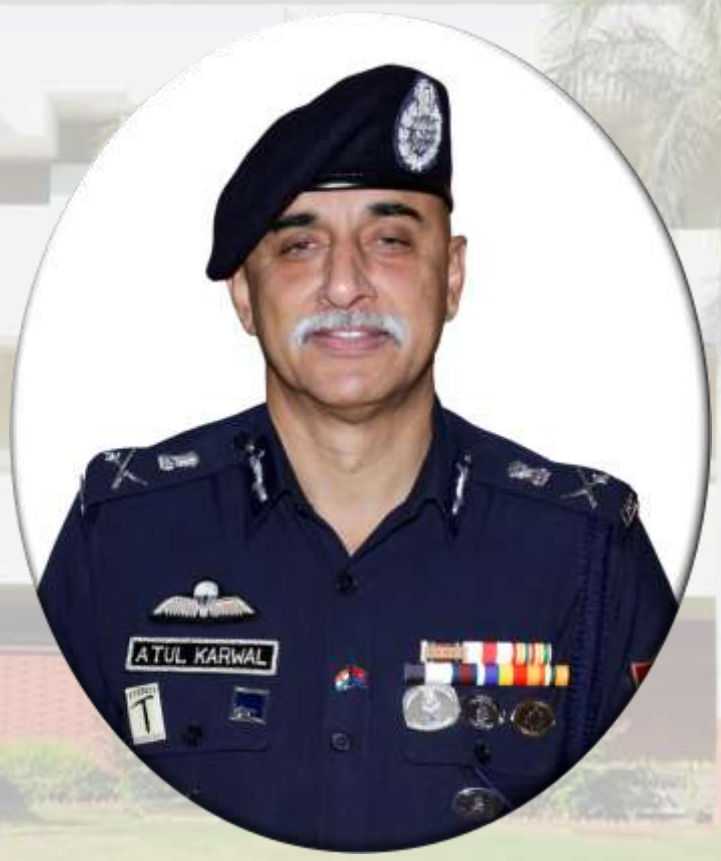
47_PRL Ka Amrut Vyakhyaan

Wednesday, 22 June 2022

@ 04:00 PM (IST)

"Explore and Learn"

Shri Atul Karwal, IPS



Director General, National Disaster Response Force

and,

Director, SVP National Police Academy Hyderabad

https://youtu.be/q1tG4MN6MiM

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Title: "Explore and Learn"

Speaker: Shri Atul Karwal, IPS

Director General, National Disaster Response Force and,

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Abstract

This talk would revolve around various explorations of the world outside –the Everest Expedition and Cycle ride to Mt. Kailash and Mansarovar lake and sharing the learning from these explorations for self-awareness and self -evolution.

The Speaker

Shri Atul Karwal is an IPS officer of 1988 batch, borne on Gujarat cadre. He is B.E. (Mechanical Engg.) and M.B.A. Aside from serving as Superintendent of Police and Deputy and Joint Commissioner of Police, he served for 2 years as IG, CRPF in Srinagar. He is presently posted as DG National Disaster Response Force and also holding charge of the post of Director SVP National Police Academy Hyderabad.

He was adjudged the 'Best Officer Trainee' of his batch during his basic training. He was awarded the Police Medal for Meritorious Service, the President's Police Medal for Distinguished Service, and two Police Medals for Gallantry in 2020. He has also been awarded the Kathin Seva Padak, the Parakram Padak for injuries sustained in an operation in Kashmir and the Ati Utkrisht Seva Padak.

He is an ultramarathoner and has completed 50 km and 100 km runs and a Half Ironman Triathlon. He has completed the 12-week Commando Course with National Security Guard, won a Silver Medal in Tent Pegging in the All India Police Equestrian Meet, is a Black Belt in Martial Arts and is trained in Scuba Diving and Sky Diving. He also scaled Mount Everest on May 22, 2008.

About PRL

The Physical Research Laboratory (PRL), known as the “cradle of space science” in India, is one of the premier research institutes founded in 1947 by Prof. Vikram Sarabhai, a renowned Cosmic Ray Scientist, a great visionary and institution builder. PRL played a seminal role in producing a highly motivated cadre of space scientists and the technologists of highest international repute. The first scientific rocket launched from Thumba on 21st November-1963 and many other rockets launched thereafter contained payloads developed at PRL. Dr. Sarabhai initiated many of these scientific and technical activities at PRL which eventually led to the formation of the Indian Space Research Organization (ISRO). Therefore, PRL is known as the “cradle of space science” in India. Further, the research in the area of Plasma Physics expanded to the formation of the Institute of Plasma Research (IPR).

As an institution PRL is unique in that it conducts fundamental research in a wide range of research areas from the Earth to the cosmos, and comprising Astronomy and Astrophysics; Solar Physics; Space and Atmospheric Sciences; Theoretical Physics; Geosciences; Atomic, Molecular and Optical Physics, Astrochemistry; and Planetary Sciences and Space Exploration. PRL is one of the rare research institutes of international repute wherein research in such diverse fields of sciences is carried out using several state-of-the-art experimental facilities that exist under one umbrella.

Along with the ongoing research, several new initiatives have been taken up during the last few years. The Multi-Application Solar Telescope (MAST) at Udaipur Solar Observatory has been operationalized. PRL initiated scientific programmes in frontier areas of research, which include a search for exo-planets, laboratory studies of interstellar grains, laboratory synthesis of cold astromolecules and experimental studies in the field of quantum optics. PRL is also developing several scientific payloads as a part of ISRO’s larger vision and contributing to roadmap for competitive scientific exploration of the solar system and beyond. In particular, PRL has been contributing significantly not only in building instruments for space missions, such as Chandrayaan-1, Chandrayaan-2, AstroSat and upcoming Aditya-L1, Chandrayaan-3 and planetary and space missions, but also by bringing out new and insightful science results.

PRL contributes to several national and international research programmes and to human resource development through its Doctoral and Post-Doctoral Programmes, capacity building programmes, such as UN Course on Space Science, and science and engineering internship programmes. PRL contributes significantly to society through its Outreach Programmes by periodically organizing science exhibitions and Open Houses, planned visits of students of various school and college to PRL, and popular talks at various institutions to not only share the excitements of the advancements of contemporary scientific findings but also to encourage students to take up sciences as their research career.

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