हमारे प्रतिष्ठित आगंतुक



General N.S. Raja Subramani, India's Chief of Defence Staff, visited BARC and graced the Passing Out Ceremony (Annual Graduation Function) of the successful graduates of the 69th Batch of the BARC Training School. In his address on the occasion, he shared valuable, life-transforming lessons with the young scientific officers, emphasising the importance of integrity, discipline, adapting to changing times, leadership, teamwork, time management, and national self-reliance. As part of his visit, General Raja Subramani also returned to his alma mater, Atomic Energy Central School-2 (AECS-2), Anushakti Nagar, after five decades. He studied at the school up to Class VI before continuing his education at Narora, where his father was posted at the Narora Atomic Power Station.

Prof. Rana Adhikari, Professor of Physics at the Caltech, USA, delivered a talk titled "LIGO-India: The First AI Controlled, Quantum Enhanced Gravitational Wave Detector" at the Trombay Colloquium. The talk highlighted India's significant role in advancing gravitational-wave astronomy through its integration into the global Laser Interferometer Gravitational-Wave Observatory (LIGO) network. With two detectors in the United States and one each in Italy, Japan and India, the expanded network is expected to improve the detection and localization of gravitational-wave events. LIGO-India Phase I is slated for completion in 2033. Prof. Adhikari also outlined major technological and scientific challenges associated with the project.



India's solar energy journey marks a significant milestone in 2026, celebrating five decades of progress and innovation. Speaking at the Trombay Colloquium, Professor Juser Vasi, Professor Emeritus, IIT Bombay, highlighted the country's bright solar future and the challenges ahead in his talk entitled 50 Years of Solar in India: Achievements and Challenges. India is poised to become the world's second or third largest deployer of solar energy capacity over the next decade, he said. The country is also on track to achieve its COP26 target of sourcing 50% of its installed electricity capacity from non-fossil fuel sources by 2030. However, large-scale solar deployment faces key challenges, including land availability, acquisition, and infrastructure development.



Our Esteemed Visitors



Professor Mark Thomson, Director General of the European Organization for Nuclear Research (CERN), visited BARC on August 31, 2026, to deliver a talk titled "Particle Physics - Today & Tomorrow" at the popular Trombay Colloquium. His second visit to BARC, and the first since assuming office as CERN's Director General, benefited the BARC community. He highlighted key questions driving future research, including the nature of dark matter, matter-antimatter asymmetry, the Higgs boson's properties, and the weakness of gravity. He also outlined the proposed 91-km Future Circular Collider (FCC), with an estimated cost of 15 billion Swiss francs and targeted operations in 2045–48. Highlighting CERN's recent achievements, he noted that 2025 was a record-breaking year for the LHC.

Dr. Sudeep Gupta, Director of TMC, graced the inaugural programme of National Science Day 2026 at the Bhabha Atomic Research Centre (BARC) as the Chief Guest, underscoring the vital role of scientific innovation in advancing cancer care. Addressing students, Dr. Gupta presented an overview of cancer in India, spanning diagnosis and treatment, and highlighted the transformative potential of radiopharmaceutical innovations in tackling the disease. Emphasising the real-world impact of scientific research, he noted that science is solving pressing human challenges. He also stressed the importance of training and empowering healthcare professionals to meet society's evolving needs, describing this as an essential component of multidimensional and multisectoral security.



Prof. Dr. Ravindra Dattatray Kulkarni, Vice-Chancellor of the University of Mumbai, served as the chief guest for the National Technology Day (NTD) inaugural day programme held at Bhabha Atomic Research Centre in May 2026. Addressing the gathering, Dr. Kulkarni said science and technology are the key pillars for advancement of modern-day life and added that students should imbibe the spirit of greater scientific inquiry as India makes considerable strides in realising the long term goal of becoming 'Aatmanirbhar Bharat'.

