



Dr. Homi Jehangir Bhabha, (born October 30, 1909, Bombay -January 24, 1966), Indian physicist who was the principal architect of that country's nuclear energy program. Born into a rich aristocratic family, Bhabha went to the University of Cambridge, England, in 1927, originally to study mechanical engineering, but once there he developed a strong interest in physics. Armed with an honours degree, he started his research in 1930 at the Cavendish Laboratories in Cambridge and in 1935 obtained a doctorate. When World War II broke out in 1939, Bhabha was in India on a holiday. With Europe in turmoil, he decided to stay, and at the behest of physicist Sir Chandrasekhara Venkata Raman, director of the Indian Institute of Science, Bangalore (Bengaluru), he joined the institute as a reader in physics in 1940.

A visionary, Bhabha realized that the development of nuclear energy was crucial for the future industrial growth of the country, as the available sources of power and energy were limited. Funded by businessman J.R.D. Tata, Indian nuclear research began with the inception of the Tata Institute of Fundamental Research (TIFR) in 1945, with Bhabha at the helm. Appointed chairman of the Atomic Energy Commission instituted by the government of India in 1948, Bhabha was instrumental in setting up the Atomic Energy Establishment in Trombay. All the scientists conducting research in nuclear power and related areas were transferred from TIFR to this institute. After the death of Bhabha in an air crash on Mont Blanc in 1966, the institute was renamed the Bhabha Atomic Research Centre (BARC) by Prime Minister Indira Gandhi in his memory. Bhabha's contribution to the development of atomic energy made him a significant figure in international scientific circles. He served as president of the United Nations Conference on the Peaceful Uses of Atomic Energy in 1955 and as president of the International Union of Pure and Applied Physics from 1960 to 1963. Dr. Homi Bhabha was awarded the Adams Prize (1942) and Padma Bhushan (1954). He was also nominated for the Nobel Prize for Physics in 1951 and 1953–1956.

**M.Sc.
Medical
Physics
Students**

Dr. Homi J Bhabha Endowment was created with the corpus fund of the department of Medical Physics in the year 2020 in the memories of Dr. Homi J Bhabha. This endowment was started with an aim of utilizing the interest of the nucleus fund for conducting seminars. Every year an expert will be invited in Medical Physics field to promote knowledge among students.



Dr. N.G.P. ARTS AND SCIENCE COLLEGE

(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)

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Dr. HOMI J BHABHA ENDOWMENT LECTURE



On

EVOLUTION OF RADIOTHERAPY TECHNOLOGY IN CANCER CARE

Organized by

DEPARTMENT OF MEDICAL PHYSICS

Date : 26.02.2026

Time : 11.00 a.m.

Venue : AV Hall (A1-Block)

CHIEF GUEST



Dr. T. Ganesh is a renowned Medical Physicist with over four decades of experience in Radiation Oncology, encompassing clinical practice, academic leadership, research, and professional service. He completed M.Sc. in Medical Physics in 1983 from Anna University, Chennai. He became a certified Radiological Safety Officer in 1984 from Bhabha Atomic Research Centre, Mumbai, and earned his M.Phil. in Radiation Physics in 1986 from Anna University. He obtained his Ph.D. in 2000 from All India Institute of Medical Sciences, New Delhi, and later achieved the Diplomate certification in Therapeutic Medical Physics from the American Board of Radiology (ABR) in 2013.

He has served in senior positions at premier institutions including AIIMS (New Delhi), Fortis Memorial Research Institute (Gurgaon), and King Fahad Specialist Hospital (Saudi Arabia). His areas of expertise include SRS, IMRT, 3DCRT and all forms of brachytherapy. He has played a pioneering role in implementing paperless clinical workflows in radiation oncology in India using the MOSAIQ oncology information system. He is also well recognized for his expertise in radiation safety and the clinical commissioning of advanced radiotherapy equipments.

Dr.T.Ganesh, a passionate academician has been deeply involved in teaching and training medical physicists, radiation oncologists, and allied health professionals. He has guided and examined Ph.D. scholars and postgraduate students. He has delivered numerous invited lectures at national and international forums. His outstanding contributions have been acknowledged through several prestigious honors.

Currently, he serves as Mentor Professor at Bharathiar University, Coimbatore, and Adjunct Faculty at Yenepoya University, Mangalore. He is actively involved in academic leadership and professional governance as the Executive Editor of the Journal of Medical Physics and Chief Examiner of the College of Medical Physics of India (CMPI). He has held key leadership roles in several professional bodies including the American Association of Physicists in Medicine (AAPM), the Association of Medical Physicists of India (AMPI), the Association of Radiation Oncologists of India (AROI), and the Indian Brachytherapy Society, reflecting his sustained commitment to advancing the discipline of medical physics.

AWARDS & RECOGNITIONS

- ❖ Certified as a Medical Radiation Safety Officer(RSO), AERB, Mumbai, 1984
- ❖ Prof. C. Rethinasabapathy Memorial Oration Award – 2007
- ❖ Certified as a Diplomate of the American Board of Radiology(ABR) in Therapeutic Medical Physics in 2013.
- ❖ Arabinda Bose Memorial Oration Award – 2023
- ❖ Dr. Ramaiah Naidu Memorial Oration Award – 2024
- ❖ Executive Editor and Peer reviewer in several international Medical Physics Journals
- ❖ Invited Faculty for ESTRO Teaching Courses
- ❖ Evaluator for project proposals - CSIR and AERB, India

PROGRAMME

Prayer Song	: Department Choir
Welcome Address	: Mr. D. Sivakumar Head, Department of Medical Physics
Presidential Address	: Dr. Nalla G Palaniswami Chairman, Dr.NGPRET Dr. Thavamani D Palaniswami Secretary, Dr.NGPASC
Chief Guest Address	: Dr. T. Ganesh Former Medical Physicist All India Institute of Medical Sciences New Delhi
Felicitation	: Dr. Arun N Palaniswami Trustee, Dr. NGPRET Mrs. Mathura V Palaniswami Trustee, Dr.NGPRET Dr. O.T. Buvaneswaran Chief Executive Officer, Dr.NGPRET Dr. P. R. Muthuswamy Director- Academics Dr. NGP. Educational Institutions Prof. Dr. S. Saravanan Principal, Dr.NGPASC
Vote of Thanks	: Mrs. K. Indhumathi Asst. Professor, Department of Medical Physics
National Anthem	: Department Choir