



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

Coimbatore – 641 048 | Tamil Nadu | India



**Dr. HOMI J BHABHA
ENDOWMENT LECTURE**

ON

**PET CT IMAGING
AND ITS
CLINICAL APPLICATIONS**

Organized by

DEPARTMENT OF MEDICAL PHYSICS

Date : 01.03.2024

Time : 09.30 a.m.

Venue : Seminar Hall-II (C1-Block)

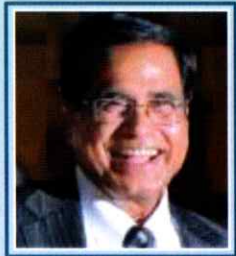
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26/02/2024*

CHIEF GUEST



Dr. K. THAYALAN
Honorary Professor
Medical Physicist
Anna University
Chennai.

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Dr. K. Thayalan is serving as an honorary professor in the Department of Medical Physics at Anna University, Chennai. Dr. K. Thayalan obtained his Masters in Physics with first rank at Anna University in 1978 and his Postgraduate Diploma in Hospital Physics and Radiological Physics at BARC in 1985. He is a certified RSO for medical and research institutions. He got his M.Phil. in Radiation Physics from Loyola College, Madras, in 1993 and his PhD from the Tamil Nadu Dr. M. G. R. Medical University in 2003 for his research work on high-dose brachytherapy. He has 40 years of experience in both clinical and teaching settings.

He has authored over 13 books, 76 scientific papers, 39 publications in peer-reviewed national journals, chaired 45 sessions in international and national scientific conferences, and delivered 191 invited lectures. He underwent clinical medical physics training at Harper Hospital and Wayne State University, Detroit, USA, with an ICRETT fellowship at UICC in 1997. He is a fellow of the International Union Against Cancer (FUICC), the International Academy of Medical Sciences (FIMSA), the Ultrasonic Society of India (FUSI), and the Indian College of Radiation Oncology (FICRO). He is a member of the Indian College of Radiology and Imaging (ICR) and the College of Medical Physics in India (CMPI). He is a life member of 19 scientific associations and societies. He served as a state treasurer, secretary, chairman, national executive member, and vice president of the Association of Medical Physicists in India. He is the founder member of the Indian Brachytherapy Society (IBS). He also served as a task group member of the Atomic Energy Regulatory Board (AERB) in Mumbai. He is an examiner for UG and PG courses, a member of the Board of Study, an advisory board, an ethical committee, and an expert panel in many universities across India.

AWARDS & RECOGNITIONS

- Serving as President of the Indian Brachytherapy Society, Mumbai.
- Prof. T. P. Ramachandran Endowment Oration, 2023.
- Scientific Excellence Award, 2022.
- Arabinda Bose Oration Award, 2018.
- Best Fellowship Award at the World Congress of Brachytherapy, USA, 2016.
- Prof. C. Rethinasabapathy Endowment Oration and Citation, 2010.
- Fellow of the Ultrasonic Society of India (FUSI), 2009.
- Author of the Year, Best Seller Club, Book Today, 2008.
- Fellow of International Academy of Medical sciences (FIMSA), 2007.
- He served as an adjunct faculty member at Saveetha Dental College and Hospitals, Chennai and Manipal Academy of Higher Education, Manipal, Karnataka.
- Served as a consultant Radiological Safety Officer at various reputed hospitals, across India.