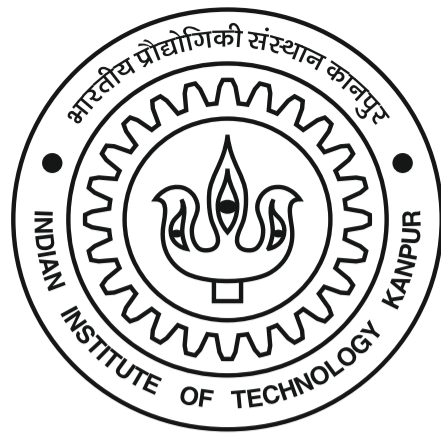


INSTITUTE FELLOW 2021



Prof. H.C. Verma

Padma Shri Awardee

Former Professor, Department of Physics
Indian Institute of Technology Kanpur

Prof. Harish Chandra Verma is the most famous physics teacher and the most impactful science educator in India. Prof. H.C. Verma started his teaching career at the Science College, Patna University (1979-1994) as a Lecturer and Reader. Following this, he joined the Department of Physics at the Indian Institute of Technology, Kanpur as a Professor in 1994. His passionate teaching, his books in Physics at the school and college level, his concern for the disadvantaged, have all made a huge impact on students and colleagues. He has developed more than 1000 physics experiments which have been used by teachers to demonstrate physics ideas in their classrooms. He has significantly raised the physics teaching levels through his dedicated teacher training programs, which he continues to conduct even now. He has also produced a set of 45 video lectures in Hindi at the school level to bridge the language gap. In addition to being an excellent teacher at IIT Kanpur, Prof. H.C. Verma was also a very active researcher in the area of condensed matter physics. He has published 134 research papers in reputed journals, and mentored 11 PhD scholars. His research work on nano-fabrication using focused ion beams, magnetism in Graphite on irradiation by an ion beam, nano-size (4nm - 20nm) magnetic materials, Fe-based alloys, Earth Science etc. is very well appreciated.

Prof. H.C. Verma has also made a huge societal impact. He was instrumental in the making of Shiksha Sopan, an NGO aiding education at the grassroots level. Through various centers in the villages around IITK, Shiksha Sopan is in direct daily contact with about 250 families. In addition to providing educational help, Shiksha Sopan also provides scholarships to needy students, girl students, and runs a science centre to motivate students to pursue science. Prof. H.C. Verma is an Executive Committee member of the Indian Association of Physics Teachers (IAPT) which works toward physics education in schools and colleges. In 2011 Prof. H.C. Verma initiated a new project named "National Anveshika Network of India" (NANI) which has since become a flagship programme of the IAPT. Among the many honours he has received are the Maulana Abul Kalam Azad Shiksha Purashkar 2017, and the Padma Shri in 2021. In recognition to his stellar contributions toward physics research, physics teaching, and substantially impactful societal contributions, IIT Kanpur takes immense pride in honouring Prof. Harish Chandra Verma as an institute fellow.

2nd November, 2022


Abhay Karandikar
Director