**One day Teachers’ workshop on physics demonstration and discussions with Padmashree Dr. H C Verma. 26th June 2021, Saturday 6:00 pm to 8:00 pm.**

YouTube link for Live streaming

[https://www.youtube.com/c/विज्ञानकेप्रयोग](https://www.youtube.com/c/%E0%A4%B5%E0%A4%BF%E0%A4%9C%E0%A5%8D%E0%A4%9E%E0%A4%BE%E0%A4%A8%E0%A4%95%E0%A5%87%E0%A4%AA%E0%A5%8D%E0%A4%B0%E0%A4%AF%E0%A5%8B%E0%A4%97)

Local coordinator

Debmalya Sen

**Introducing NANI Team conducting the Workshop**

**Padmashree Prof H C Verma**

Prof. Harish Chandra Verma is retired from Department of Physics at Indian Institute of Technology, Kanpur as a Professor. Prior to joining IIT Kanpur, he served Science College, Patna University (1979-1994) as Lecturer and Reader. His research interests had been in Nano fabrication using focused ion beam, Magnetism in Graphite on irradiation by ion beam, Nanosize (4 nm-20 nm) magnetic materials, Fe-based alloys, Earth Science etc. He has published 139 research papers in reputed journals. He has also written several books in Physics for School and College level. He has developed more than 600 physics experiments which can be used by teachers as DEMOs in their classrooms. He has also produced a set of 45 video lectures in Hindi at school level. Prof. Verma is Executive Committee member of Indian Association of Physics Teachers (IAPT) which works for physics education in schools and colleges.

Teaching

During his stay at IIT Kanpur, prof. Verma has taught a number of professional and core courses. These include theory as well as laboratory courses. The reaction surveys show that the courses were very effective and students were greatly benefited. Almost every year, he was adjudged outstanding instructor/tutor as announced in the senate of IIT Kanpur and was given appreciation letter from the Director.
The UG/professional courses include Nuclear Physics, Classical Mechanics, Quantum Mechanics, Electrodynamics, Review courses for PhD Students etc.

IAPT Anveshika

Prof. Verma is Executive Committee member of Indian Association of Physics Teachers (IAPT) which works for physics education in schools and colleges. In 2011 Prof. Verma initiated a new project National Anveshika Network of India (NANI) which has become a flagship programme of IAPT. In 6 years, this chain of Science laboratories for innovative work by students and teachers, Anveshika, are established in 22 cities of India spread over in wide territory. About 1000 schools/colleges are getting benefited from this project. A number of activities for teachers’ motivation and training, developing teaching aids, etc are going on through these centers.
A unique program of Anveshika project is National Anveshika Experimental Skill Test (NAEST). This is a unique annual event to encourage the culture of doing science experiment where a National level competition is organized for school as well as college level on actually performing the experiments. Through the Anveshika network, more than 8000 students from more the 1600 Schools/Colleges appear in the test every year across the country. All the experiments put up in these are designed specifically for this event by Prof. Verma with his science team.

**Debmalya Sen**

 Is presently a Teacher at BGES School (ICSE) Kolkata. He has been appointed as senior resource person by NANI (IAPT) and conducted many Physics hands on workshops for teachers and students. Shri. Sen has also been the resource person for popular lecture and hands on demonstration at District Science Centres. He was invited as resource person at IISF (Indian international science festival) 2019 in Kolkata. Shri. Sen was invited to set non-conventional physics laboratory at Sopan Ashram in Kanpur under the supervision of Padma shri Prof H. C. Verma. Since 2016 he has been working with renowned Prof. Verma. He has been developing and inducting experiments and several teaching aids with easily available materials for classroom hands on teaching. He has conducted around 35 workshops for teachers and students so far.

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**NANI GOPAL MONDAL**

Is presently a Teacher of Balurghat LMAU Vidyalaya. Balurghat, Dakshin Dinajpur. He has been appointed as in charge of ATAL TINKERING LAB of Balurghat, LMAU Vidyalaya. Shree Mondal also has been the senior resource person of THE INDIAN ASSOCIATION OF PHYSICS TEACHERS and NATIONAL ANVESHIKA NETWORK OF INDIA- Physics. He has been appointed as the mentor of TEACHING LEARNING CENTRE of IIT Kharagpur and PATIRAM HIGH SCHOOL ALUMNI ASSOCIATION OF ADVANCE STUDIES. He has Conducted more than 40 workshops for Teacher and students.

Since 2009 He is working with Padmashree Prof H C Verma and appointed as Local coordinator of NATIONAL ANVESHIKA EXPERIMENTAL SKILLS TEST- Physics (NAEST). He has great interest on physics in our daily life with explanation and developing low cost and no cost experiment of Physics in school teaching and observations analysis from different angles.

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