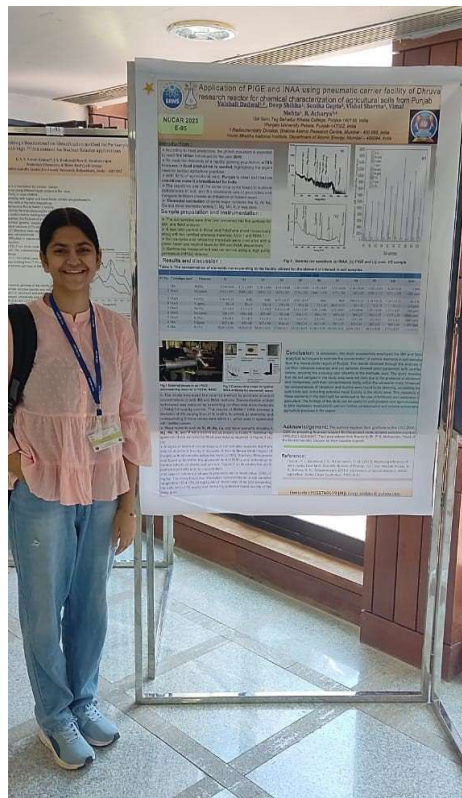


Pride of Physics Department
Our Student Working Under UGC-DAE-CSR Sponsored Project
May 01-05, 2023

Physics department B.Sc. Honors student and now research scholar **Ms. Vaishali Dadwal**, working under the supervision of Dr. Deep Shikha and Dr. Vimal Mehta, visited Bhabha Atomic Research Centre to work under UGC-DAE-CSR sponsored project. This project is in collaboration with Dr. R. Acharaya, Head, Nuclear Analytical & Actinide Spectroscopy Section, Radiochemistry Division, BARC, Mumbai. She worked with Neutron and Proton beam from Dhurva reactor and tandem accelerator respectively at BARC premises to study agricultural soil potentiality and crop productivity which was enriched with essential nutrients by utilizing nuclear analytical techniques for its elemental analysis and characterization for almost one month. During this span she did different experiments and analysis utilizing Instrumental Nuclear Activation Analysis (INAA), Proton Induced Gamma Ray Emission (PIGE) and Energy Dispersive X-Ray fluorescence (ED-XRF) spectroscopy in the premier labs of India. she also presented her research work in NUCAR-23 symposium and also got an opportunity to attend 1st school on Nuclear and Radiochemistry.



Ms Vaishali Dadwal at Bhabha Atomic Research Centre