

## SPG, India Organized a Technical Lecture on 5<sup>th</sup> April, 2019 at Dehradun

Continuing with its endeavor to provide geoscientists a platform for knowledge sharing and disseminating know how about the latest advancements in technologies, particularly in the field of geophysics, SPG-India organized a lecture on “Seismic Facies Classification through Machine Learning Applications” by Shri Satinder Chopra, Chief Geophysicists, Reservoir, TGS, Calgary, Alberta, Canada on 05.04.2019, at Mini Conference hall of KDMIPE campus at ONGC Dehradun. The Lecture was attended by large number of Geoscientists from ONGC, Dehradun and other invited professionals and students from Wadia Institute of Himalayan Geology and DIT University, Dehradun.

The talk highlighted application of machine learning and its importance in understanding of seismic facies classification process. The lecture emphasized on an ongoing challenge for seismic interpreters to identify and extract heterogeneous seismic facies on data volumes that are continually increasing in size. Shri Chopra described that the machine learning methods hold promise in reservoir characterization and



seismic facies analysis and demonstrated different examples from various basins in the world. He also compared several of the more well-established machine learning techniques and shown that each of them exhibits more vertical and spatial resolution than the waveform classification, or the supervised Bayesian classification. The subject enthused the participants who showed keen interest in the subject.

