

# WORKSHOP ON CHARACTERIZATION OF MINERALS AND THEIR EXPLORATION FOR MATERIAL SYNTHESIS

**Date:** 15/10/2019

**Organizing Department:** Department of Physics

**Mode:** Offline

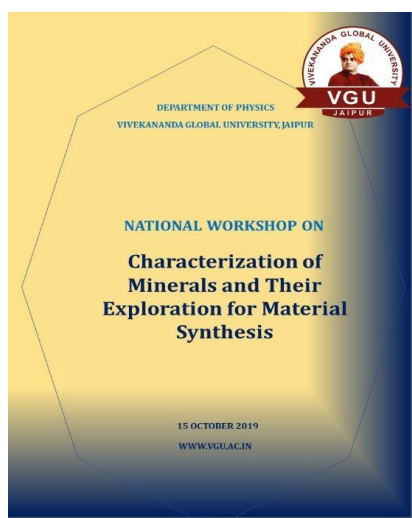
**No. of Participants:** 87

**Duration of Event:** Two Hours

**Resource Person:** Prof. (Dr.) D. K. Awasthi Ph.D. (Physics) from Punjab University

**Coordinator Name:** Dr. Subodh Srivastava

**Event Venue:** Seminar Hall, Technology Block, VGU



Students and Faculty Participating in Workshop

## Brief Report

Prof R.K. Gupta welcomed the guest speaker and participants to the workshop. He emphasized the role and objectives of mines in implementation of various vital aspects of National Mineral Policies. He threw light on the evolution of the concept of value of various minerals and the need for its revision from time to time and how such workshops help in developing skills of the students.

Prof. (Dr.) D. K. Awasthi spoke about the available supply of mineral resources and how it depends on quantity available in the earth's crust, our level of consumption, mining technology, market prices, and the harmful environmental effects of removing and using it. We can use mineral resources more sustainably by trying to find substitutes for scarce resources, reducing resource waste, and reusing and recycling nonrenewable minerals. He appealed to the society that it should play a vital role to ensure time bound exploration in all the leasehold areas. He also suggested that students submit valuable suggestions/ opinions for the same. The technical session of the workshop was based on the value of minerals including Limestone, Bauxite, Chromite and Graphite Ore.

## The workshop covered following topics:

- What is Mineral?
- Mineral Deposition methods
- Exploration Methods
- Applications