

MINE SURVEYING – II

Module - I

Triangulation correlation of surface & U/G surveys, verticality of shafts. Measurement of depth of shaft. Setting out of curves for surface & U/G, Stope surveying, Open-Pit surveying, mine plans, sections, projections & their statutory requirements, Mine Models.

Module-II

Special mine surveys-survey of installations of Mine, EDM & Its Application, GPS ,total station, surveys for connecting National grid.

Module-III

Subsidence Surveying: Construction and layout of subsidence monitoring stations. Subsidence measurements, Borehole Surveying, Laser: Types, characteristics and mining applications of Laser

Module-IV

Elements of Photogrammetry, field astronomy: Principles & Definitions, Determination of true meridian, Latitude, longitude & time.