

# Engineering Geology

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The study of many types of rock formations and their physical characteristics is emphasised in this lab. There is a focus on regional geological issues when discussing topics like rocks and minerals, soils, and seismic activity. The physical characteristics of minerals are another emphasis of this lab course.



- **Rock forming minerals** – Quartz group, Feldspar group, Garnet group, Mica group & Talc, Chlorite, Olivine, Kyanite, Asbestos, Tourmelene, Calcite, Gypsum, etc.
- **Ore forming minerals** – Magnetite, Hematite, Pyrite, Pyralusite, Graphite, Chromite, etc.
- **Igneous rocks** – Types of Granite, Pegmatite, Gabbro, Dolerite, Syenite, Granite Poryphery, Basalt, etc.
- **Sedimentary rocks** – Sand stone, Ferrugineous sand stone, Lime stone, Shale, Laterite, Conglamorate etc.
- **Metamorphic rocks** – Biotite – Granite Gneiss, Slate, Muscovite & Biotiteschist, Marble, Khondalite, etc.
- Interpretation and drawing of sections for geological maps showing **tilted beds, faults, unconformities**.