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Facilities



(singlePage.php?id=17&type=SP)

INFRASTRUCTURE

The department has separate and modern building with following infrastructure facilities:

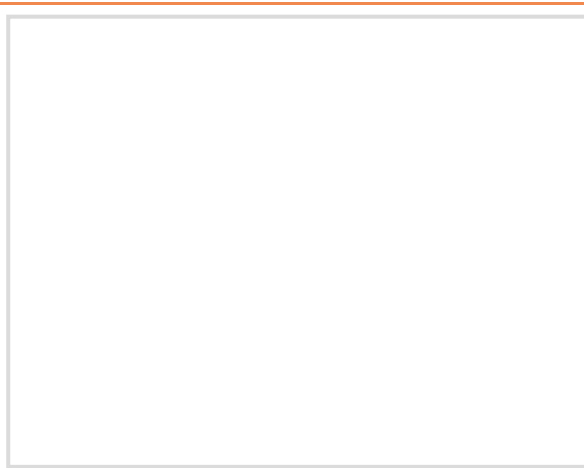
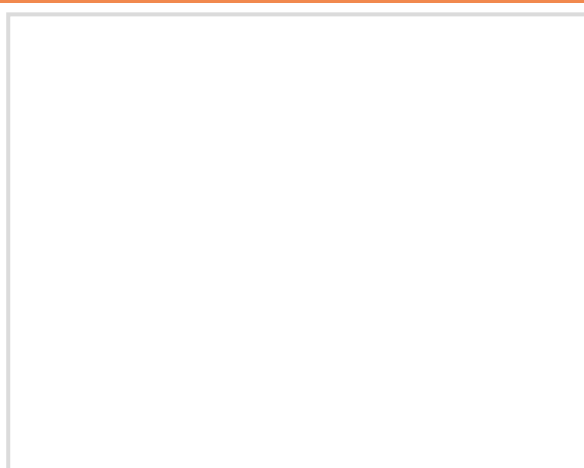
| S.No. | Infrastructure facilities | Number |
|-------|---|--------|
| 1. | Laboratories | 08 |
| 2. | Class rooms [with all teaching& AV amenities] | 04 |
| 3. | Girls common room & Amenities | 01 |
| 4. | Seminar Hall [100 capacity] Air conditioned with all modern AV facilities | 01 |

Laboratory – Major Facilities

These laboratories are equipped with conventional as well as most modern and sophisticated instruments and facilities.

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| Name of Laboratory | Major facilities | |
|---|--|--|
| Environment Laboratory [100 sq.m.] | <p><i>The equipment/ facilities are used for imparting knowledge related to Environmental aspects of Mining activities i.e. Air quality monitoring - dust, mine gases etc.; to UG & PG students. Also used for research & consultancy work. Major facilities available are:</i></p> <p>Dust Sampler (Envirotech), Dust Sampler (Gravimetric) DGMS Approved, Portable pH detector, Air velocity meter, Electronic Anemometer, Vibration meter, Camera (Scientific Photography), Digital Balance, Gas Analyzer, Refrigerator</p> | |
| Mine Computing Laboratory [100 sq.m.] | <p><i>Mining related software are used to impart knowledge related to mine planning, blast design, ventilation network planning, Slope stability analysis, underground structure designing etc. to UG & PG students. Also used for research & consultancy work. Major facilities available are:</i></p> <p>Mine planning software: Datamine, Surpac Blast design & analysis software: Fragalyst, Blastware, BIMS, Pattern Analyser, Flyrock Predictor Mine Environment Software: VENT, SINET, PSYCHRO, and AWQEFA. Rock Mechanics Software: Flac^{3d}, Galena</p> | |
| Rock Mechanics & Dimensional Stone Technology Laboratory [200 sq.m.] | <p><i>The equipment/ facilities are used for imparting knowledge related to determination of Physico-mechanical properties of stones and soil, measurement of insitu stress and deformation, rock cutting & polishing of dimensional stones etc.; to UG & PG students. Also used for research & consultancy work. Major facilities available are:</i></p> <p>Electronic Universal Testing Machine, Triaxial Testing Machine, Slake durability apparatus, Multipoint borehole extensometer, Tape extensometer, Polishing machine, Permeability meter, Rock bolt tester, Rock cutter, Flat Jack, Ultrasonic flaw detector, Blastmate – III & Micromate seismograph, Ultrasonic P-wave,</p> | |



Mining and Mineral Dressing

The equipment/ facilities are used to impart knowledge related to generation of compressed air for running compressed air operated mining machineries, support

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- Mining Geology Laboratory (singlePage.php?id=34&type=SP)
- The equipment/ facilities are used to impart knowledge related to identification of minerals using single stage equipment (singlePage.php?id=35&type=SP)
- Advanced petrological microscope, finding minerals at depth, to UG & PG students. Also used for research & consultancy work. Major facilities available are: (singlePage.php?id=15&type=SP)
- C-GOLD-2014-Activities (singlePage.php?id=17&type=SP)
- Magnetometer, Resistivity meter, Ore microscope, Advanced Petrological Microscope, GPR (Ground Penetrating Radar), Metallic and Non-Metallic Mineral Samples (singlePage.php?id=21&type=SP)
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- Vidya Lakshmi Portal - VLP (singlePage.php?id=32&type=SP)
- "ARIIA 2020 Submission Report" (images/staticContent/Submission Report 2020.pdf)
- Survey Laboratory (singlePage.php?id=46&type=SP)
- Mine Surveying equipments are used to impart knowledge of Mine surveying for opencast as well as underground, locating underground, preparation of various mining maps/plans to UG & PG students. Also used for research & consultancy work. Major facilities available are: (singlePage.php?id=59&type=SP)
- Total Station, Electronic theodolite, Micro-optic Theodolite, Vernier Theodolite, GPS (Global positioning system), DGPS (Differential Global positioning system), Digital Automatic Level, Gyro-station (True North Direction App); (images/staticContent/ARI-I-1067.pdf)
- ARIIA 2021 CTAE REPORT (images/staticContent/Telephone-Directory-MPUAT-(2022).pdf)
- MPUAT Staff Directory (images/staticContent/Telephone-Directory-MPUAT-(2022).pdf)
- Farm Machinery Testing System (singlePage.php?id=72&type=SP)

Udaipur, IN

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7:48 pm IST

The various mining models are used for understanding the mining terminology as well as Cloudy aspects related to shaft sinking, winding, opencast mining, machineries etc. to UG & PG students.

Contact Us

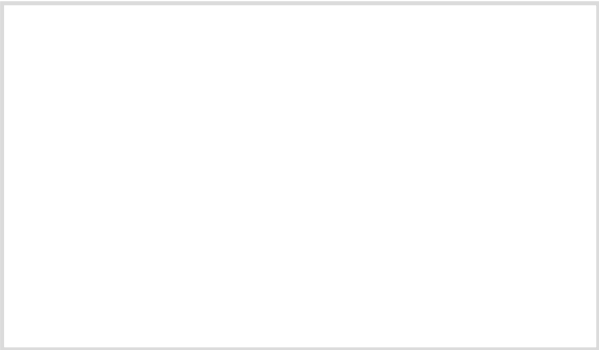
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|---|--|
| | <p>Coal mines, Longwall (Advancing face with stowing model), Cage suspension gear model, Friction or Koepe winding system tower mounted, Shaft sinking model, Pump section model, U/G Coal Mining Methods models</p> <p>Visitors: 0003518</p> <p>Last Updated: 02-09-2024</p> |
| <p>Gas Testing Laboratory</p> <p>[20 sq.m.]</p> | <p><i>DGMS (Directorate General of Mines Safety) approved equipments facilitates for obtaining gas testing certificate issued by DGMS to UG students. Major facilities available are:</i></p> <p>Methane Gas Testing Chamber (DGMS approved), Gas testing flame safety lamps, Model flame safety lamp (Replica)</p>  |