

Course Name : Three years Diploma in Mining Engineering
Year : Second
Subject Title : **Project and Seminar**
Subject Code : **M216**

Teaching and Examination Scheme:

Teaching Scheme*			Examination Scheme					
L	T	P	Full Marks	External Exam Marks	Internal Exam Marks	External Pas Marks	Total Pass Marks	Duration of External Exams
Sessional (MI214)		2	50	30	20		25	

*Duration of year is considered 28 weeks

In spite of theory concept students acquire, various industries also need to know their capacity to complete projects using their specific initiative. The importance of mini project includes, it gives a chance to use their brain and hands, students can share their knowledge, increase self-confident.

The small project and seminar allow students to experience solving real world problems, working with other people under deadlines and with often ambiguous guidance.

Mini projects for diploma students gives an edge over the race of recruitment to work hard to ensure a good career.

Course Outcomes:

After undergoing the course of study the student shall be able to

1. Use their technical knowledge to solve real world problems
2. Complete small projects using their specific initiative
3. Experience solving real world problems

Suggested broad areas for Project & Seminar:

1. Extraction of coal by different methods
2. Different development and depillaring method of Board and pillar method
3. Various longwall method based on direction of face advance, cyclic, non-cycling unit, double unit.
4. Indian Geological Formations, Prospecting and Exploration
5. Application of principles of mechanics and strength of materials for general and specialized engineering aspects connected with mining structures, machine mechanism or their parts

6. Conduct survey to plot positions of underground workings, establish underground bench marks incorporate on mine plan and prepare sections of underground workings for proper planning of production and excavation operations.
7. Conduct laboratory and insitu tests on rock mass, understand the kind of support required to stabilize the excavation, reinforce the excavation openings by bolting/stitching and monitor the performance of support system
8. Maintain the adequate ventilation in underground workings and ensure safe & comfortable working conditions inside the mine
9. Use and maintenance of mining machines for getting desired result
10. Concerned faculty can assign any project related to their courses of studies

STRATEGY OF IMPLEMENTATION:

Conducting Industrial visits to assign area for project and seminar.