Mining is an innovative & Hazardous profession. Thus, it is required that students studying Mining Engineering apply innovative skills by developing basic Mining Engineering Models, to be on par with their peers in top mining schools around the globe. The Mining Engineering Department of the University of Liberia is aimed at enhancing the innovative skills of her students. This poster presents innovative Mining Engineering Models developed by students from 1st Semester Academic 2016/2017 through 2nd Semester Academic 2016/2017.

1.0 An Open Pit Diamond Mine and Associated Facilities

THESE MODELS ARE ORDERLY PRESENTED BELOW:

1.0 An Open Pit Diamond Mine and Associated Facilities

2.0 Belt Conveyor With Tub for Material Handling in Mines

3.0 Slake Durability Apparatus for Abrasive Test of Rocks

4.0 Power Electric Rope Shovel Excavator

4.1 Shovel Dumper Combination

4.2 An Open Pit Mining Model With Lighting & Processing Facilities

5.0 A 120T Mine Dumper

5.1 Shovel Excavator & Dumper Operation View

6.0 A 120T Mine Dumper

7.0 Longwall Shearer

8.0 Slake Durability Apparatus for Abrasive Test of Rocks

9.0 An Operation View of Shovel Excavator & Dumper

9.1 Longwall Shearer

10. An Open Pit shifted to Underground Mine

11. Underground Bore & Pillar Mine with Ventilation Facility

11.1 Underground Bore & Pillar Mine with Ventilation Facility

12. Integrated Underground Bore & Pillar Longwall

13. Gasothermal Power Plant (a renewable energy source)

14. Hydro Power Plant (a renewable energy source)

15. Hydraulic Jack Used in Oil & Gas Production

Developed 2nd 2016/2017 By Mine 400 Students

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