Discipline: **Drilling Engineering**	Semester: **6th Semester**	Name of the Teaching Faculty: **Er. Brushabhanu Sahoo**	
Subject (Lab): **TUBE WELL DRILLING LAB** Subject Code: **PR2**	No. of Periods /week:**04**	Session: **Summer 2023** No of weeks:**15** Semester from date-14.02.2023 to date-23.05.2023	
Week	Class Day	Lab	Remarks
1st	1st	Study and sketching of DTH Rig.	
	2nd	Study and sketching of DTH Rig.	
	3rd	Study and sketching of DTH Rig.	
	4th	Study and sketching of DTH Rig.	
2nd	1st	Study and sketching of accessories and equipments of DTH Rig.	
	2nd	Study and sketching of accessories and equipments of DTH Rig.	
	3rd	Study and sketching of accessories and equipments of DTH Rig.	
	4th	Study and sketching of accessories and equipments of DTH Rig.	
3rd	1st	Study and sketching of DHD unit.	
	2nd	Study and sketching of DHD unit.	
	3rd	Study and sketching of DHD unit.	
	4th	Study and sketching of DHD unit.	
4th	1st	Study and sketching of reciprocating air compressor.	
	2nd	Study and sketching of reciprocating air compressor.	
	3rd	Study and sketching of reciprocating air compressor.	
	4th	Study and sketching of reciprocating air compressor.	
5th	1st	Study and sketching of centrifugal compressor.	
	2nd	Study and sketching of centrifugal compressor.	
	3rd	Study and sketching of centrifugal compressor.	
	4th	Study and sketching of centrifugal compressor.	
6th	1st	Study and sketching of rotary screw compressor.	
	2nd	Study and sketching of rotary screw compressor.	
	3rd	Study and sketching of rotary screw compressor.	
	4th	Study and sketching of rotary screw compressor.	
7th	1st	Study and sketching of direct and reverse circulation process.	
	2nd	Study and sketching of direct and reverse circulation process.	
	3rd	Study and sketching of direct and reverse circulation process.	
	4th	Study and sketching of direct and reverse circulation process.	
8th	1st	Study and sketching of driving method for drilling shallow wells.	
	2nd	Study and sketching of driving method for drilling shallow wells.	
	3rd	Study and sketching of driving method for drilling shallow wells.	
	4th	Study and sketching of driving method for drilling shallow wells.	
9th	1st	Study and sketching of jetting method for drilling shallow wells.	
	2nd	Study and sketching of jetting method for drilling shallow wells.	
	3rd	Study and sketching of jetting method for drilling shallow wells.	
	4th	Study and sketching of jetting method for drilling shallow wells.	
10th	1st	Study and sketching of different types of well screens.	
	2nd	Study and sketching of different types of well screens.	
	3rd	Study and sketching of different types of well screens.	
	4th	Study and sketching of different types of well screens.	
11th	1st	Study and sketching of a gravel-packed well.	
	2nd	Study and sketching of a gravel-packed well.	

PRINCIPAL
Orissa School of Mining Engineering
KEONJHAR

	3rd	Study and sketching of a gravel-packed well.	
	4th	Study and sketching of a gravel-packed well.	
12th	1st	Study and sketching of well development technique by using surging with air method.	
	2nd	Study and sketching of well development technique by using surging with air method.	
	3rd	Study and sketching of well development technique by using surging with air method.	
	4th	Study and sketching of well development technique by using surging with air method.	
13th	1st	Study and sketching of well development technique by using back washing with air method.	
	2nd	Study and sketching of well development technique by using back washing with air method.	
	3rd	Study and sketching of well development technique by using back washing with air method.	
	4th	Study and sketching of well development technique by using back washing with air method.	
14th	1st	Study and sketching of different casings used in water well.	
	2nd	Study and sketching of different casings used in water well.	
	3rd	Study and sketching of different casings used in water well.	
	4th	Study and sketching of different casings used in water well.	
15th	1st	Study and sketching of different bits used in water well drilling.	
	2nd	Study and sketching of different bits used in water well drilling.	
	3rd	Study and sketching of different bits used in water well drilling.	
	4th	Study and sketching of different bits used in water well drilling.	

10/02/23
Er. Brushabhanu Sahoo
Lecturer (Drilling Engg.)
OSME, Keonjhar

10.02.23
Senior Lecturer (Drilling)
OSME, Keonjhar

PRINCIPAL
Orissa School of Mining Engineering
KEONJHAR