

VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY, BURLA

Lesson plan

Semester: 4<sup>th</sup>

Subject: Process and Handling of Materials

Lecture	Module	Topic
1	1	Properties and storage of solids.
2	1	Characteristics of solid particles
3	1	solids in bulk
4	1	Size Reduction
5	1	Objectives, Methods, and Principles of size reduction.
6	1	Objectives, Methods, and Principles of size reduction
7	1	Size reduction equipments- Coarse
8	1	Size reduction equipments- Intermediate
9	1	Size reduction equipments- Fine Crushers
10	1	Size reduction equipments-Ultra-fine grinders
11	1	Open & closed circuit grinding
12	2	Solid-solid separation
13	2	Screening
14	2	Electrical separation
15	2	Classification,
16	2	Gravity concentration
17	2	Floatation and their latest equipments
18	2	Sedimentation and equipments(Thickeners and clarifiers),
19	2	Filtration: Theory and equipments.
20	2	Filtration: Theory and equipments.
21	2	Gas-solid separation
22	3	Gas-solid separation equipments
23	3	Gas-solid separation equipments
24	3	Transportation of solids
25	3	Conveyors and elevators
26	3	Conveyors and elevators
27	3	Mixing
28	3	Theory of solid and liquid mixing
29	3	Theory of solid and liquid mixing
30	3	Size enlargement
31	3	Crystallization
32	4	Feeding
33	4	Weighing
34	4	Coagulation
35	4	Mixing

Signature of the Faculty Member:  
Date:

Counter Signature of H.O.D