Lesson Plan

. Mohd Nasim

pplied Sciences(All Branches)

ND

GINEERING DRAWING

5 week (from January 2018 to April 2018)

racticals-08 (each group)

ractical

ractical	**Topic**
st	**Unit 1 - Detail and Assembly Drawing** Principle and utility of detail and assembly drawings. Wooden joints i.e. corner mortise and tenon joint
nd	Tee halving joint, Mitre faced corner joint, Tee bridle joint.
d	Crossed wooden joint, Cogged joint
h	Dovetail joint, Through Mortise and Tenon joint
h	furniture drawing - freehand and with the help of drawing instruments
h	**Unit 2 - Screw Threads** Types of threads-External and Internal threads, Right and Left hand threads (Actual and Conventional representation) and multiple start threads.
h	Forms of screw threads-V threads (B.S.W threads, B.A thread, American National and Metric thread
h	Square threads (square, Acme, Buttress and Knuckle thread) Different
h	**Unit 3 - Nuts and Bolts** Different views of hexagonal and square nuts. Square and hexagonal headed bolt.
0th	Assembly of Hexagonal headed bolt and Hexagonal nut with washer
1th	Assembly of square headed bolt with hexagonal and with washer
2th	Revision of Hexagonal headed bolt and square headed bolt
3th	**Unit 4 -Locking Devices** Different types of locking devices-Lock nut, castle nut, split pin nut, locking plate, slotted nut and spring washer
4th	Foundations bolts-Rag bolt, Lewis bolt, curved bolt and eye bolt.
5th	Drawing of various types of studs
6th	Revision of Rag bolt lewis bolt
7th	**Unit 5 - Keys and Cotters**