



**NATIONAL INSTITUTE OF TECHNOLOGY MEGHALAYA
DEPARTMENT OF MECHANICAL ENGINEERING
MECHANICAL WORKSHOPS**

EXPERIMENT PERFORM IN WORKSHOP PRACTISE - 1

List of experiments perform in Fitting Shop:

To obtained a metal job of the given dimension using bench work in Fitting Shop.

List of experiments perform in Machine Shop:

To perform different types of operation in the Lathe Machine to produce a job of desired shape and size.

List of experiments perform in carpentry Shop:

To make a mortise and tenon joints of specified dimensions.

To make mitre faced bridle joints of specified dimensions.

To make housed dove tail joint of specified dimensions.

List of experiments perform in welding Shop:

To prepare a L-Joint of given dimension by metal arc welding.

To prepare a T-Joint of given dimension by gas welding.

To prepare a T-Joint of given dimension by arc welding.

EXPERIMENT PERFORM IN WORKSHOP PRACTISE – 11

List of experiments perform in Machine Shop:

To make a job specified in figure of given dimensions using lathe machine, shaper machine and milling machine.

List of experiments perform in Tool Room Shop:

To make a job specified in figure of given dimensions using CNC lathe and CNC milling.