

DEPARTMENT OF MECHANICAL ENGINEERING
NATIONAL INSTITUTE OF TECHNOLOGY PATNA

List of Experiment(s) for Institution of Engineers (India) Students WINTER 2020 Session.

S.N.	NAME OF EXPERIMENT	LABORATORY
1	To study the effects of input Parameters on Weld quality.	WELDING SHOP
2	To make a taper stud on a lathe machine.	MACHINE SHOP
3	To make the Eye-nail in black smithy shop.	BLACKSMITHY SHOP
4	To Perform linear and circular interpolation operation using CNC Mill Machine.	CAM LAB
5	To study the pin fin apparatus.	HMT LAB
6	To study free vibration of a helical spring and an equivalent spring mass system.	DOM LAB
7	To Study of Vapour-Compression system to obtain COP and Performance index.	RAC LAB
8	Study the Heat transfer in counter-current and parallel flow condition.	RAC LAB
9	Impact test of material.	SOM LAB
10	Trail test of a diesel engine to prepare heat balance under rated conditions of engine.	ICGT LAB

Lab Schedule for Institution of Engineers (India) Students WINTER 2020 Session.

04.10.2021 (FN)	Welding shop (Group-I)	Machine shop (Group-II)
	HMT Lab (Group-III)	RAC Lab (Group-IV)
04.10.2021 (AN)	HMT Lab (Group-I)	RAC Lab (Group-II)
	Welding shop (Group-III)	Machine shop (Group-IV)
05.10.2021 (FN)	Machine shop (Group-I)	Welding shop (Group-II)
	RAC Lab (Group-III)	ICGT Lab (Group-IV)
05.10.2021 (AN)	Blacksmithy shop (Group-I)	CAM Lab (Group-II)
	Machine shop (Group-III)	Welding shop (Group-IV)
06.10.2021 (FN)	CAM Lab (Group-I)	HMT Lab (Group-II)
	Blacksmithy shop (Group-III)	DOM Lab (Group-IV)
06.10.2021 (AN)	DOM Lab (Group-I)	Blacksmithy shop (Group-II)
	CAM Lab (Group-III)	RAC Lab (Group-IV)
07.10.2021 (FN)	RAC Lab (Group-I)	DOM Lab (Group-II)
	SOM Lab (Group-III)	Machine shop (Group-IV)
07.10.2021 (AN)	RAC Lab (Group-I)	ICGT Lab (Group-II)
	DOM Lab (Group-III)	SOM Lab (Group-IV)
08.10.2021 (FN)	SOM Lab (Group-I)	RAC Lab (Group-II)
	ICGT Lab (Group-III)	CAM Lab (Group-IV)
08.10.2021 (AN)	ICGT Lab (Group-I)	SOM Lab (Group-II)
	RAC Lab (Group-III)	HMT Lab (Group-IV)

FN: 10:00AM to 01:00 PM

AN: 02:00PM to 05:00PM