

Faculty of Mechanical Engineering
M.E. Instrumentation Engineering
(R 2017) Semester – I
IN5161 MODELING AND SIMULATION LABORATORY
(Requirements for a batch of 25 students)

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	MATLAB / SIMULINK Software	5		
2.	Scilab / Scicos Software (Open source)	1		
3.	Personal computer	20		

Faculty of Mechanical Engineering
M.E. Instrumentation Engineering
(R 2017) Semester – II
IN5211 PROCESS CONTROL AND INSTRUMENTATION LABORATORY
(Requirements for a batch of 25 students)

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Process control Test Rig for level and pressure with all accessories (with interaction)	1		
2.	PC based Level process station	1		
3.	PC Based Pressure process station	1		
4.	PC based variable tank process station	1		
5.	Any one MIMO process station	1		
6.	Personal computer	10		
7.	MATLAB / SIMULINK Software	5		

Faculty of Mechanical Engineering

M.E. Instrumentation Engineering

(R 2017) Semester – II

IN5261 AUTOMATION LABORATORY

(Requirements for a batch of 25 students)

Sl. No	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	PC with DAQ cards	5		
2.	MATLAB/LABVIEW software	5		
3.	Thermal process station with options for interfacing with Embedded Controller/PC	1		
4.	PC based level process station	1		
5.	Industrial type DCS from any standard make (Such as	1		
6.	Industrial type PLC from any standard make (Such as Schneider/Siemens/MITSUBISHI/Equivalent)	2		
7.	Pilot process station for filling /training to be interfacing with PLC	1		