Laboratory details along with their respective software

S. No.	Room No.	Lab Name	Software's
1	026 & 027 (1 AB)	Electrical Machine Laboratory	NA
2	202 (1 AB)	Power System Laboratory	➢ DIgSILENT Power Factory 2017 - Research Version (Unlimited Busbars) ➢ MATLAB 2018
3	08 (2AB)	Control & Automation Laboratory	➢ NI LabVIEW 2014 (ASL pack) ➢ MATLAB 2018
4	203 (1 AB)	Integrated Electronics Laboratory	➢ Supported Xilinx Software ISE Design Suite 13.4. ➢ Vivado Software (1 user)
5	204 (1 AB)	Microcontroller & System Simulation Lab.	➢ NI LabVIEW 2014 (ASL pack) ➢ KEIL ➢ MATLAB 2018
6	213 (1 AB)	Power Electronics & Drives Laboratory	NA

Electrical Machinery Laboratory

- Electrical Machine Laboratory is conducted for the undergraduate students in their second year. In this course students perform basic experiments on transformers, DC machines, inductions motors and synchronous machines.
- This laboratory is to expose the students to the concepts of different type of machines and analyze their performance. Also impart knowledge on construction and performance of salient and non – salient type synchronous generator, synchronous motor, induction machines,& DC machines.

Major Equipment

- 5 HP, 220 V DC shunt motor coupled to a 3 kVA synchronous generator with control panel for synchronization with grid supply.
- 5 HP, 220 V, 1500 rpm DC shunt motor coupled to a 3 kW, 415 V induction generator with control panel .
- 5 HP, 415 V, 1440 rpm, induction motor -squirrel cage type with mechanical loading arrangement and control panel.
- 5 HP, 220 V, 1500 rpm DC shunt motor coupled to a 3 kW DC compound generator with control panel.
- 5 HP, 220 V, 1500 rpm DC series motor coupled to a 3 kW, 220 V DC series generator with control panel .
- Rectifier - 3 phase, 440 V AC / 220 V, 100 A DC with distribution panel .