

Details of Laboratory in Electrical Engg. Department

Electrical Engineering Department is one of the major departments, created since the establishment of the institute. The department conducted Undergraduate course (B.Tech.) with an intake of 60 seats alongwith 20% LEET seats for deserving candidates across the Country. With the Institute being raised, the department had been established various laboratories with a large number of equipments/ kits and machines in the various course curriculum and emerging areas of Electrical Engineering. As a result of the various students had been placed and working in the esteemed organization of the country and across the World also and have by now taken up higher responsibilities. Since last 14 years the department has been very successfully offering the course and facilitates the students to achieve their goal of life with success and hardwork alongwith smart with an intake of 60 students in each batch. The present intake for the above programme is 66. In addition, the department has been conducted various projects at minor and major levels of the Course of Final Year students with idea originated from latest trends and need of the society.

The department has produced a large number of instructional materials both print and non-print for the benefit of faculty and students of the institution. To mention a few of the important materials, there are manuals of Electrical Machines, Electrical Engineering and many more as per the detail of laboratories mentioned below.

The department faculty is actively involved in research, projects, Industrial Training as well as Industrial visit to explore the Electrical Engineering field as per today's trend and need of the society. On an average about 10-12 such projects are being undertaken every year at minor and major levels of the Course of Final Year students.

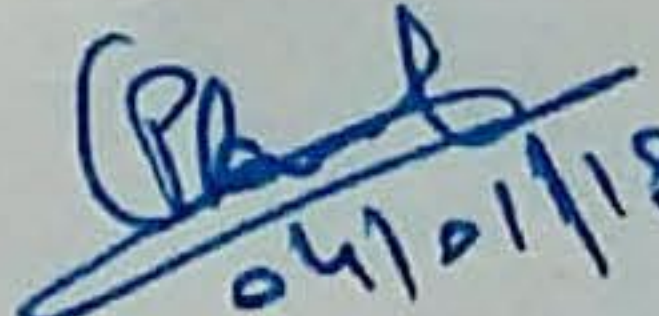
| Sr. No. | Nomenclature of Laboratory established in Electrical Engg. department | Class & Semester |
|---------|---|--|
| 1. | Electrical Technology Lab | 1st Year |
| 2. | Electrical Measurements & Measuring Instruments Lab | 3 rd Sem. EE |
| 3. | Electrical Machines-I Lab | 3 rd Sem. EE |
| 4. | Electrical Workshop Lab | 3 rd Sem. EE |
| 5. | Electrical Machines-II Lab | 4 th Sem. EE |
| 6. | Digital Electronics Lab | 4 th Sem. EE |
| 7. | Electronics Measurement & Process Control | 4 th Sem. Food Tech. |
| 8. | Power System Lab | 4 th Sem. & 7 th Sem. EE |
| 9. | Power Electronics-I & II Lab | 5 th Sem. & 6 th Sem. EE |
| 10. | Electric Drives Lab | 6 th Sem. EE |
| 11. | Electronic Measurement Lab | 5 th Sem. EE |
| 12. | Control System Lab | 5 th Sem. EE |
| 13. | Microcontroller Lab | 6 th Sem. EE |
| 14. | Transducers Applications Lab | 7 th Sem. EE |
| 15. | Minor Project Lab. | 7 th Sem. EE |
| 16. | Computer Methods in Power System Lab. | 8 th Sem. EE |
| 17. | Electrical Engg. Departmental Library | - |

Other Subject Laboratories are under process for establishment and up-gradation.

Ch. Devi Lal State Institute of Engg. & Tech., Panniwala Mota (Sirsa)

List of Laboratories established in Electrical Engg. Department

| Sr. No. | Name of Laboratory | Semester | Established percentage | Pending %age | Estimated Budget required (Rs.) for further establishment |
|--------------------------------------|--|---|------------------------|--------------|---|
| 1. | Electrical Technology Lab | 1 st Sem. & 2 nd Sem. (Common to all) | 100% | Nil | NIL |
| 2. | Network Analysis & Synthesis Lab | 3 rd Sem. EE | Nil | 100% | Rs. 3,50,000/- |
| 3. | Electrical Machines Lab-I | 3 rd Sem. EE | 40% | 60% | Rs. 5,50,000/- |
| 4. | Electrical Measurement and Measuring Instruments Lab | 3 rd Sem. EE | 85% | 15% | Rs. 2,00,000/- |
| 5. | Electrical Workshop Lab | 3 rd Sem. EE | 90% | 10% | Rs. 1,00,000/- |
| 6. | Power System Lab-I | 4 th Sem. EE | 50% | 50% | Rs. 5,00,000/- |
| 7. | Digital Electronics Lab | 4 th Sem. EE | 95% | 5% | Rs. 2,00,000/- |
| 8. | Electrical Machines Lab-II | 4 th Sem. EE | 55% | 45% | Rs. 13,00,000/- |
| 9. | Electronic Measurements and Instruments Lab | 5 th Sem. EE | 50% | 50% | Rs. 4,00,000/- |
| 10. | Power Electronics- I Lab | 5 th Sem. EE | 61% | 39% | Rs. 4,00,000/- |
| 11. | Control System Lab | 5 th Sem. EE | 30% | 70% | Rs. 4,00,000/- |
| 12. | Microcontroller Applications Lab | 6 th Sem. EE | 70% | 30% | Rs. 4,00,000/- |
| 13. | Power Electronics-II Lab | 6 th Sem. EE | 85% | 15% | Rs. 8,00,000/- |
| 14. | Electric Drives Lab | 6 th Sem. EE | 30% | 70% | Rs. 10,00,000/- |
| 15. | Advanced Programming lab | 6 th Sem. EE | 100% | Nil | - |
| 16. | Transducer Applications Lab | 7 th Sem. EE | 80% | 20% | Rs. 3,00,000/- |
| 17. | Power System Lab -II | 7 th Sem. EE | 60% | 40% | Rs. 2,00,000/- |
| 18. | Circuit Simulation Lab (Softwares) | 7 th Sem. EE | Nil | 100% | Rs. 5,00,000/- |
| 19. | Minor Project Lab | 7 th Sem. EE | 100% | Nil | - |
| 20. | Computer Methods in Power System Lab | 8 th Sem. EE | 100% | Nil | - |
| Total Estimated Budget in Rs. | | | | | Rs. 76,00,000/- |


 04/01/18
 Head (EE)