

PART TIME Diploma in Electrical
Engineering
2ND SEM-2021



Program Summary

Part Time Diploma in Electrical Engineering of DSEU is a three-year programme and is offered to work experienced/ self employed persons which facilitates these students to enhance their technical knowledge and educational qualification side by side doing their job/service. This will mould the these students into technically sound and skilled professionals where the students are taught application of electromagnetism and electricity. The course has been designed to provide practical and theoretical knowledge of conventional and emerging areas of electrical engineering. Programme covers the study and application of latest technological changes required to meet the upcoming challenges in the field of electrical engineering. This diploma program in electrical engineering will build a strong foundation for students aspiring for higher education.

Name of the Program: Part Time Diploma in Electrical Engineering

Duration of the Programs: Three Years

Program Vision

To bring in more technical, entrepreneurial and innovative qualities in students for software skills, effective communication and work ethics. To enhance the technical capabilities of students to cope-up with changing technical demand of markets.

Program Outcome: Students will learn/acquire by the end of the program.

- a) **Basic Knowledge/Skills:** After completion of the course, students are equipped to work in the areas like production, installation, maintenance and servicing of electrical systems. Today the market is beaming with opportunities for an electrical engineer, as electricity has become an indispensable part of human lives. Many government and private organizations will hire engineers that will possess the basic knowledge and skills gained in this course.
- b) **Technical Knowledge/Skills:** Students would be able to demonstrate their knowledge in electrical circuits, electrical machines, power systems, measurements and instrumentation, control system, power electronics, basic knowledge of computers, use of instruments etc.
- c) **Software Skill and Project Skills:** Basic knowledge of computer and electronics engineering with software applications. Communicate effectively in oral/ written format to present the working of their project/product. Implement the skills acquired in the form of projects to solve complex engineering problems.
- d) **Soft Skills:** Effective communication, creative thinking, team work, time management, work ethics, leadership etc.

Credit Scheme

Semester II						
Sl No.	Subject Code	Course Titles	Hours/week			Total Credits
			Lecture	Tutorial	Practical	
1	PTD-EE-HS202	ENGLISH COMMUNICATION-II	0	0	2	1
2	PTD-EE-PC201	ELECTRICAL WORKSHOP-I	0	0	3	1.5
3	PTD-EE-PC202	ELECTRICAL ENGG DRAWING	1	0	5	3.5
4	PTD-EE-FC201	APPLIED MATHEMATICS-II	3	1	0	4
5	PTD-EE-FC202	BASIC SCIENCES*	4	0	2	5
6	PTD-EE-FC203	ELEMENTS OF MECHANICAL ENGINEERING	2	0	2	3
7	PTD-EE-SI201	FIELD WORK AND REPORT RELATED TO ELECTRICAL WORKSHOP-I	0	0	0	2
Total			10	1	14	20

*Includes Physics and Chemistry of 2.5 credit each