

DIPLOMA IN ELECTRICAL ENGINEERING LAB FACILITIES

BASIC ELECTRICAL ENGINEERING LAB (DPEE-1018)

1. Brief Description of the Lab

This lab is common for Diploma 1st year students of Electrical engineering and Electronics Commutation engineering discipline. In this lab the students is expected to learn the critiques of basic knowledge about Electrical Engineering through demonstration and practice. After completion of this course the students will be able practical understanding about ohms law ,kvl,kcl etc.

2. Equipment Used in the Lab

Ohm's law training kit, series and parallel training kit, resistors, connectors, Kirchhoff's Current law training kit, Kirchhoff voltage law training kit.

3. Photograph





4. Profile of the Lab In-charge



Mr. GAUTAM SINGH, assistant professor in Electrical Engineering. Department of University Polytechnic and working with this system since more than seven years. His highest qualification is M.E. which he has earned in 2013 from Department of Electrical Engineering, Madhav Institute of Technology and Science (MITS), Gwalior (M.P.). He has rich experience (about 7 years) of teaching and worked as a faculty at various engineering colleges of Madhya Pradesh and U.P. He has authored 1 paper in journal and 1 paper in conferences. as Chartered Engineer.

ELECTRICAL MACHINE-I LAB (DPEE2004)

1. Brief Description of theLab

This lab is in the curriculum of Third semester of Polytechnic (Diploma). 2nd year students of Electrical engineering discipline. In this lab the students is expected to learn the critiques of basic of electrical machine. In this lab students know about significance of DC and AC Machines. Understand the applications of Faraday's laws and Operate Ac Machines to conduct experiments on it to find the characteristics. Judge to Test the speed of electrical machines by different methods

Equipment Used in theLab

AC machine, DC machine,

2. Photograph





3. Profile of the LabIn-charge



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ELECTRICAL MEASUREMENTS AND MEASURING INSTRUMENTS LAB (DPEE2001)

1. Brief Description of the Lab

This lab is in the curriculum of Third semester of Polytechnic (Diploma). 2nd year students of Electrical engineering discipline. In this lab the students is expected to learn the critiques of basic of Electrical Measurements and Measuring Instruments. In this lab students know about significance of Electrical Measurements and Measuring Instruments. Understand the applications of different AC & DC bridges in measurement system. The transformer for high current & voltage measurement.

2. Equipment Used in the Lab

CT & PT, AC & DC bridges, Kelvin Bridge, Maxwell's Bridge, Wien's Bridge. etc

3. Photograph



INSTALLATION, MAINTENANCE AND REPAIR OF ELECTRICAL MACHINES LAB (DPEE3011)

1. Brief Description of the Lab

This Lab Is In the Curriculum of Fifth Semester of Polytechnic (Diploma). 3rd Year Students of Electrical Engineering Discipline. In This Lab The Students Is Expected To Learn The Basic Of **Installation, Maintenance And Repair Of Electrical Machines**. In This Lab Students Know About Significance of **Installation, Maintenance and Repair of Electrical Machines**. Understand The Applications Of **Installation, Maintenance And Repair Of Electrical Machines**.

2. Equipment Used in the Lab

AC machine, DC machines, electrical machines e.g. electric iron, washing machines geyser, submersible, pumps, coolers etc

3. Photograph



4. Profile of the LabIn-charge



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ELECTRICAL DESIGN, DRAWING AND

ESTIMATION-IILAB (DPEE3006)

1. Brief Description of theLab

This lab is in the curriculum of fifth semester of polytechnic (diploma). 3rd year students of electrical engineering discipline. In this lab the students is expected to learn the basic of **electrical design, drawing and estimation**. In this lab students know about significance of **electrical design, drawing and estimation**. Understand the applications of **electrical design, drawing and estimation**.

2. Equipment Used in theLab

Different types of wires, pipes, switches, socket etc

3. Photograph



4. Profile of the LabIn-charge



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