

## Department of Electronics & Communication Engineering

### Virtual Labs Experiments

SEM: III ECE

LINK: [www.vlab.co.in](http://www.vlab.co.in)

LAB: EMEC LAB

Lab under virtual portal: IIT Guwahati

S.No	TITLE	Status
1.	INTRODUCTION OF TOOLS, ELECTRICAL MATERIALS, SYMBOLS AND ABBREVIATIONS.	Not Available
2.	TO STUDY STAIR CASE WIRING	Not Available
3.	TO STUDY HOUSE WIRING I.E., BATTEN, CLEAT, CASING-CAPING AND CONDUIT WIRINGS	Not Available
4.	TO STUDY FLUORESCENT TUBE LIGHT.	Not Available
5.	STUDY OF CONSTRUCTION OF A DC MACHINE.	Not Available
6.	SPEED CONTROL OF A DC MOTOR BY ARMATURE CONTROL AND FIELD CONTROL METHODS.	Not Available
7.	TO PERFORM OPEN CIRCUIT AND BLOCK ROTOR TESTS OF AN INDUCTION MOTOR.	<a href="http://iitg.vlab.co.in/?sub=61&amp;brch=293">http://iitg.vlab.co.in/?sub=61&amp;brch=293</a>
8.	TO FIND THE POLARITY AND TURNS RATIO OF A SINGLE PHASE TRANSFORMER.	Not Available
9.	TO PERFORM THE OPEN CIRCUIT TEST ON SINGLE PHASE TRANSFORMER.	Not Available
10.	TO PERFORM THE SHORT CIRCUIT TEST ON SINGLE PHASE TRANSFORMER	Not Available
11.	STAR-DELTA STARTING OF A THREE PHASE INDUCTION MOTOR	Not Available
12.	TO PERFORM BRAKE -TEST AND DIRECT LOAD TEST. ON D.C SHUNT MOTOR AND D.C. SERIES MOTOR AND CALCULATE IT'S EFFICIENCY.	Not Available
13	TO PLOT V CURVE OF SYNCHRONOUS MOTOR	Not Available
14	TO STUDY THE PARALLEL OPERATION OF SINGLE PHASE TRANSFORMERS	Not Available
15	TO PERFORM THE SUMPNER'S TEST ON TWO IDENTICAL TRANSFORMERS	Not Available