

| Course Number and Name  |   |   |   |   |   |                            |   |   |   |   |   |  |
|---|---|---|---|---|---|----------------------------|---|---|---|---|---|--|
| BEE3L3 ELECTRICAL ENGINEERING LAB   |   |   |   |   |   |                            |   |   |   |   |   |  |
| Course Objectives   |   |   |   |   |   |                            |   |   |   |   |   |  |
| To understand the performance of electrical generators, motors and transformers by conducting different tests |   |   |   |   |   |                            |   |   |   |   |   |  |
| Prerequisites   |   |   |   |   |   | Co-requisites              |   |   |   |   |   |  |
| BEE1L1-Basic Electrical & Electronics<br>Engineering practices Lab  |   |   |   |   |   | BEE305-Electrical Machines |   |   |   |   |   |  |
| Course Outcomes (COs)   |   |   |   |   |   |                            |   |   |   |   |   |  |
| CO1 : Experimentally verify the performance characteristics of Generators                                     |   |   |   |   |   |                            |   |   |   |   |   |  |
| CO2 :Experimentally verify the performance characteristics of Motors  |   |   |   |   |   |                            |   |   |   |   |   |  |
| CO3 :Experimentally verify the performance characteristics of Transformers                                    |   |   |   |   |   |                            |   |   |   |   |   |  |
| CO4 :To verify the performance characteristics of Induction motors.   |   |   |   |   |   |                            |   |   |   |   |   |  |
| CO5 :To Understand the concepts of alternators  |   |   |   |   |   |                            |   |   |   |   |   |  |
| CO6 :To verify the performance of compound motors   |   |   |   |   |   |                            |   |   |   |   |   |  |
| Student Outcomes (SOs) from Criterion 3 covered by this Course  |   |   |   |   |   |                            |   |   |   |   |   |  |
| COs/SOs   | a | b | c | d | e | f                          | g | h | i | j | k |  |
| CO1   | H |   |   | H |   |                            |   |   |   |   |   |  |
| CO2   | H | H | H | H | H |                            |   |   | M | M |   |  |
| CO3   | H |   | H | H |   |                            |   |   |   |   |   |  |
| CO4   |   | H |   | H |   |                            |   |   |   |   |   |  |
| CO5   | M |   |   | H |   |                            |   |   | M | M |   |  |
| CO6   |   | H | M | H | H |                            |   |   |   |   |   |  |