MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (M.P.), INDIA
माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर (म.प्र.), भारत

A GOVT. AIDED UGC AUTONOMOUS & NAAC ACCREDITED INSTITUTE, AFFILIATED TO R.G.P.V BHOPAL (M.P)

Department of Electrical Engineering

Electrical Machine-I Lab (130412/130402)

LIST OF EXPERIMENTS

1. To Perform direct load test on single phase transformer
2. To perform parallel operation on two single phase transformers
3. To obtain magnetization characteristics of DC shunt generator
4. To obtain internal and external characteristics of DC shunt generator
5. To control the speed of DC shunt motor
6. To perform load test on DC shunt motor (Mechanically loaded)
7. To perform load test on DC series motor (Mechanically loaded)
8. To perform load test on DC compound motor (Electrically loaded)
9. To perform Hopkinson's test on two identical dc machines
10. To perform load test on induction motor
11. To obtain speed torque characteristics of 3 phase induction motor.
12. Virtual lab simulation of conventional electrical machines.

SCAN or Click Links given below

Playlist-01: Click Here

Playlist-02- Click Here

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Electrical Machine-II Lab (130513/130503)

LIST OF EXPERIMENTS

1. To conduct No Load & Blocked Rotor test on 3-Phase squirrel Cage Induction Motor and plot circle diagram.
2. To conduct Load Test on 3-Ph Sq. Cage Induction Motor and plot performance curve.
3. To conduct No Load & Blocked Rotor Test on 3-Ph Slip Ring Induction Motor and plot performance curve.
4. To conduct Load Test on 3-Ph Slip Ring Induction Motor and plot performance curve.
5. To study the cascaded connection of two 3-Phase Slip Ring induction motor.
6. To find out OCC and SCC of an Alternator and its regulation using synchronous impedance method.
7. To find regulation of Alternator using Zero Power Factor (ZPF) method.
8. To draw V Curves of Synchronous motor.
9. To perform Synchronization of Alternators.
10. (a) Open Circuit and Short Circuit test on Three phase transformers
    (b) Load test on three phase transformers
11. Virtual lab simulation of Conventional Electrical Machines.

SCAN or Click Links given below

https://youtube.com/playlist?list=PLTYHfb0B00XcOcgyLBJyOGsX7CZQ2LfxH

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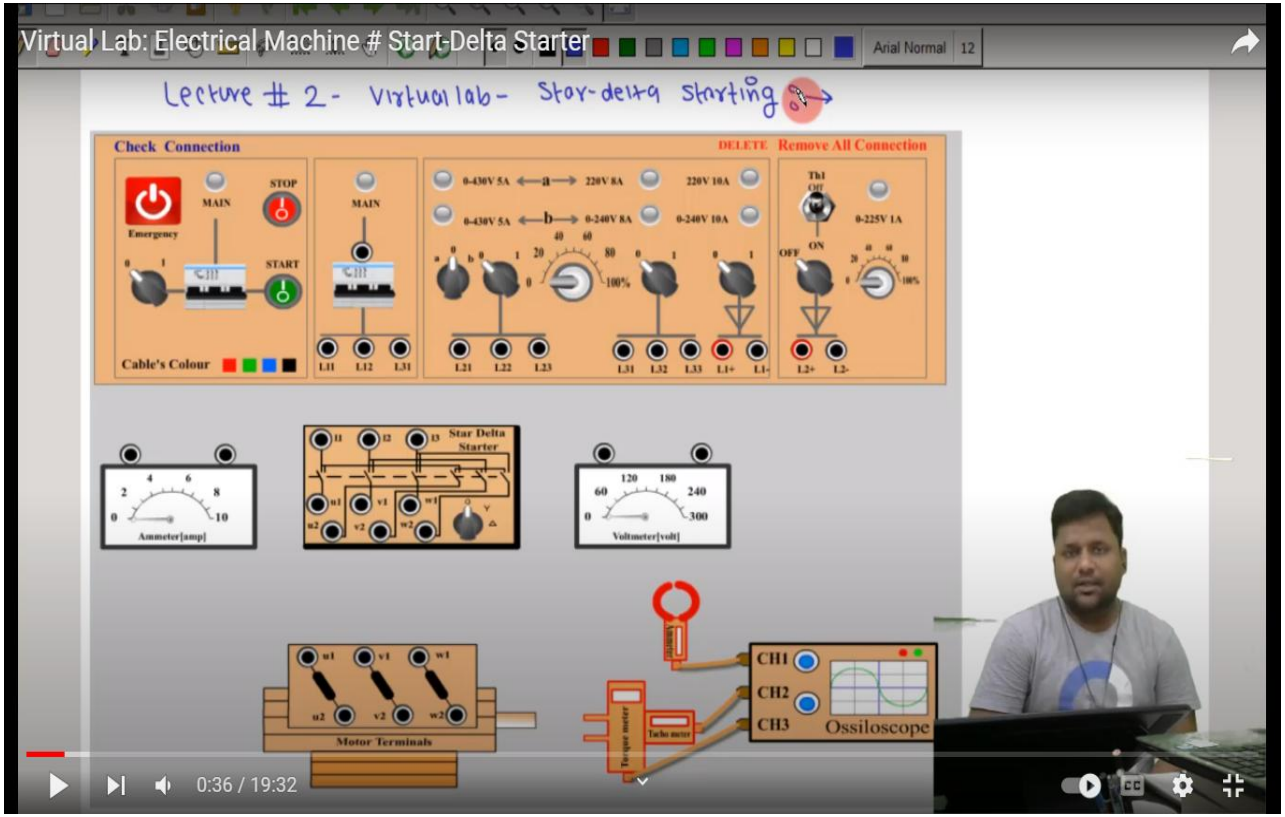
Virtual Labs on Electrical Machines



SCAN or Click Links given below

Video-1 : Click Here

Video-2 : Click Here