**DYNAMIC MODELLING OF INDUCTION MACHINE MODEL ALONG WITH THE THREE PHASE TRANSFORMER**

This paper is about the Simulinkimplementation of a three-phase induction machine and a three phase transformer model using mat lab. The implementation is done depending on the general theory of electrical machines in a step-by-step approach. All of the machine parameters will be accessible for control and verification purposes.

After the implementation of induction machine, the model will be used in simulation to produce curves of torque-speed characteristic and dynamic current (stator and rotor). Finally, the simulation result will be used for the analysis of torque-speed characteristic and the dynamic behaviour of a three-phase induction machine. Also the three phase transformer in delta-star and star-delta is implemented using three single phase transformer and thus the output current and voltage waveform is obtained.

NEHA PANDEY

AASHRITA DULE

POOJA SHARMA

7TH SEM (EE)

SRMCEW.