

MOOC Reference Materials**Unit 5: Power System Components & Electrical Machines**

Topic	Link	Duration	MOOC Source
Single Phase Transformer	https://www.youtube.com/watch?v=wFE7J6_9c6w&t=141s	32:37	NPTEL, by Prof. Debapriya Das
Three Phase Induction Motor	Part A: https://www.youtube.com/watch?v=BPflvcxM-Fo&list=PLbRMhDVUMngfdEXVcdf_ijj2Eub-UHs_y&index=59 Part B: https://www.youtube.com/watch?v=7bgq9s9QFMY&list=PLbRMhDVUMngfdEXVcdf_ijj2Eub-UHs_y&index=59	24:01 & 42:15	NPTEL, by Prof. Debapriya Das
Single Phase Induction Motor	https://www.youtube.com/watch?v=dZyO5gcWP-o	1:00:59	NPTEL, by Prof. L. Umanand
DC Motor	https://www.youtube.com/watch?v=0Owe848XA3k&list=PLbRMhDVUMngfdEXVcdf_ijj2Eub-UHs_y&index=62	36:59	NPTEL, by Prof. Debapriya Das
Synchronous Machine	https://www.youtube.com/watch?v=b24jORRoxEc&t=2756s	1:03:34	NPTEL, by Prof. L. Umanand
Structure of Power System	https://www.youtube.com/watch?v=Yg6XsepGCKY&list=PLD4ED2FAF3C155625&index=2	59:37	NPTEL, by Prof. D.P. Kothari
Conventional Sources of Electric Energy	https://www.youtube.com/watch?v=45_nQN-9XSs&list=PLD4ED2FAF3C155625&index=3	51:36	NPTEL, by Prof. D.P. Kothari
Hydroelectric Power Generation	https://www.youtube.com/watch?v=JBrdUoU2uTE&list=PLD4ED2FAF3C155625&index=4	53:24	NPTEL, by Prof. D.P. Kothari
Renewable Energy	https://www.youtube.com/watch?v=UW4HYJ36q0Y&list=PLD4ED2FAF3C155625&index=6	51:07	NPTEL, by Prof. D.P. Kothari