**Assignment on Induction Motors due to on Wednesday 6/5/2015**

Dear all,

Use the parameters of the Y-induction motor of proplem 6-15 (5th edition) to write a  Matlab code to plot the torque speed curve for s in the range {-1.0001, 2.0001}. Aviod running the simulation for s=0.0; use instead any very small value for example s=0.0005!

a) Show the torque plot versus speed and also the torque versus s at rated voltage,**Also show the converted output power versus slip.**

b) repeat a)  for VLL reduced to 75% of VLL rated, 50%, 25% then to 10% of rated voltage (show plots on the same figure)

c) repeat a) for R2 increased to have every time one of the following values: 0.1,  0.2, 0.6, 1.2, 2.8, 4.5, 8  and 15 OHMs (show plots on the same figure)

 The deadline for submitting a report about the assignment including the printed hard copy of the code and the plots,m and conclusions is on Wednesday 6/5/2015.

Best regards