

SNS COLLEGE OF ENGINEERING

Kurumbapalayam (Po), Coimbatore – 641 107



AN AUTONOMOUS INSTITUTION

Accredited by NBA – AICTE and Accredited by NAAC – UGC with 'A' Grade Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

POWER SYSTEM ANALYSIS UNIT – I PERMANENT MAGNET BRUSHLESS DC MOTOR

TORQUE EDUATION OF AMELDO MOTOR
starting Condition.
Under starting Condition, speed in zero. and back any also zero: () () () () () () () () () (
and back any aiso gent
Tot The second
If Vad is given, then
Tet = many
3.33
No load Condition
iladed to the
V = 2 Poho
where enh back em/ generated unclex
where epho back em/ generated unclex
La fuel Ton Jamo
V = 2 [2 Egrl Tpr] wmo
V = [A Bgol Tph] Wmo
Y= km wmo
1

greed in given by who = Domo = V ON- land Condition V = 2eph + 2IRph $I = \frac{V - 2eph}{2Rph}$ 2eph = 2[28grl Iph] Wm = [4 Bgrl Tph] WmI = Y - Km Wm From the above equature was sigiven by

Speed Ratio Setween Under board speed.