

**Paper Title: - SPACE VECTOR MODULATION & FUZZY PID
SPEED CONTROLLER FOR DIRECT TORQUE
CONTROL INDUCTION MOTOR DRIVE**

Name of Journal: Journal of Theoretical and Applied Information Technology

Author's:- O. Chandrasekhar Dr. K. Chandrasekhar

ABSTRACT:-This paper shows the application of fuzzy PID control technique to reduce torque ripple in an induction motor employing Direct Torque Control (DTC). The performance of the proposed drive system is evaluated through digital simulation using MATLAB-SIMULINK package. The simulation results clearly depict the superiority of devised method over the SVM - DTC.

Keywords: Fuzzy Logic Control (FLC), Direct Torque Control, Induction Motor, Membership Function, Space Vector Modulation