From their early discovry, the fuzzy-neural techniques did not show enough use and interest in other fields of research as it for systems identification and diagnosis. In this paper, the application of these techniques in the control of induction machine (M.I) is presented. therefor, the fuzzy control of MI is handled. The fuzzy controlletr of 7 membership function (M.F) is used for speed control, offering the possibility of tuning its control parameters as a function of speed error. A M.F minimization of this controller is developped using fuzzy-neural technique