ABSTRACT

Power Plant is a nonlinear time variant dynamic process. The increasing power consumption requires the liner increase of power production. One way to resolve this is to introduce new method of power production, which is quite difficult in limited time. The only other way possible is to increasing power production of existing infra structure. There are many weaknesses in control designing, control structure for usage of variable and control over byproducts that reduce the optimal power production. These include inefficient utilization of resources, loss of heat and steam during burning process, designing issues that arise due to poor modeling techniques, rapid corrosion of power plant equipment due to access of air and oxygen in power plant. No method to accurately measurement the quantity of temperature, pressure and steam at any time during the process. An efficient controller required to supervise and manage all the process. Different techniques developed so are discussed. Finally a solution based on fuzzy system has been proposed that overcomes these problems.