

## **Abstract**

**The most common applied control system today are PLC which will precisely control fluid level in a Hydraulic System This will enhance capability of my Course in Hydraulics and prepare students in Mechatronic field. (PLC) or programmable controller is a digital computer used for automation in electromechanical processes, such as control of machinery on factory assembly lines, or lighting fixtures. PLCs are used in many industrial activities and machines. Unlike general-purpose The subject invention pertains to facilitating communication between industrial computers, the PLC is designed for multiple inputs and output arrangements, extended temperature ranges, Pressure, flow rate, level control immunity to electrical noise, and resistance to vibration and impact. Programs to control machine operation are typically stored in battery-backed or non-volatile memory. A PLC is an example of a real time system since output results must be produced in response to input conditions within abounded time.**