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Design and Implementation of a GUI Based Tool

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Abstract : Literature review revealed means to develop a graphical user interface base tool for monitoring water distribution from a centralized place to remote areas . It deals with remote monitoring and controlling water distribution using the output from a PLC (Programmable Logic Control) . The signals received by the computer from the PLC through the telephone lines are in the ASII format. These signals are converted into the format known by the computer API (Application Program Interface) packages . API packages are specially used for interfacing the hardware components and for networking . The graphical images like tanks , valves , pipes , etc., are designed using this system . The commuter uses modem to interface sent from the PLC . The user can control and monitor the water supply of one place from remote places using this software .