

**Name of the idea:** An Efficient Monitoring System with Low Cost Architecture for Manufacturing Industry.

**Abstract of the Idea:**

The Project aims to develop a new data security techniques. Data security is very important in the industry to transfer the data between machines/devices. Most of the industries avoided the internet connectivity to transfer the data between machines due to security issues. Currently DCS(Distributed Control System) based system architecture is playing the major role to monitor and to control industrial sensors and machines. Our proposed system consists of simple microcontroller and local server based storage techniques. We can use these techniques with or without internet. With internet the proposed system can store the data using ORACLE, MySQL, PHP Admin etc. Without internet we can store the history of data in the local server. The proposed system reduces the implementation cost due to DCS architecture is replaced by simple microcontroller based architecture.

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