Least Cost Automation Based Wireless Sensor Networks in Multi Node with Multi Process Data Clustering for Vehicle Rim Manufacturing Industries

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Abstract: The least cost automation is a highly challengeable in manufacturing industrial sectors because of several processes takes vital places in manufacturing industries. In present scenario most of the industries are followed by the wired communication between one machine to another for the sequential operation for the production unit. Some of the industries are switch over to wireless communication mode in partially, that also causes to more expensive to develop the automation in industries. This paper look into that the implement of least cost various process automation for industrial environment in machine to machine interfacing efficiently with collection of sensor nodes are communicate with wireless principle. The dynamic manufacturing industries are anticipated to increase their productivity and efficiency with zero defect and errors; this will lead by least cost automation with industrial wireless sensor networks. Wireless Sensor Networks make available information for data in different machines under sequential process in industrial ambience. The least cost wireless sensor nodes are capable of monitoring physical variants like pressure, temperature, force, vibration and luminosity. The lowest cost WSN based automation involved in industrial environment focus to increase the entire quality of services for the factory automation.

Keywords: Least Cost Automation, Sensor, Nodes, Manufacturing, Factory Automation.

REFERENCES