National University of Science and Technology

Think in Other Terms

COMPOUND FERTILIZER PLANT MONITORING PROTOTYPE SYSTEM.

FACULTY: APPLIED SCIENCES

DEPARTMENT: COMPUTER SCIENCE

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This final year project is submitted to the Computer Science Department of the National University of Science and Technology in partial fulfilment of the requirements of theBachelor of Science (Honours) Degree in Computer Science.

ABSTRACT

This project presents a monitoring prototype system in fertilizer production in Zimbabwe. It monitors the main conditions in the production which are temperature and pressure. The system sensors both pressure and temperature and alert if eithergo out of the set ranges by setting of a buzzer. This system also offers the engineer an android application to constantly view the temperature and pressure of the production. By alerting of changes in the production, crisis can easily be averted and increase production as it depends on mainly keeping the conditions at optimum levels. By Minimizing human involvement ,the monitoring leaves room for both less inconsistencies and inaccuracies when the production is taking place.