

**NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY**



**FACULTY: INDUSTRIAL AND MANUFACTURING TECHNOLOGY**

**TITLE: RECYCLING MOTOR VEHICLE SHOCK ABSORBERS  
INTO WATER PUMPS**

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**COURSE CODE: TTE3020**  
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**PROGRAM FULFILLMENT STATEMENT:** This is Submitted in partial fulfillment of a 3 year Degree Program in Bachelor Of Technical Education (Honors Degree).

**Due Date: 26/04/07**

## ABSTRACT

The subject of this research is recycling of motor vehicle shock absorbers into useful water pumps to benefit people in the rural areas through market gardening activities. It is hoped that those who will come across this research will gain some thoughts, ideas, insights that will be useful in the application of appropriate technology and the importance of recycling technology to better the lives of our people. In fact, the overriding objective of this research is to help those who read to be effective researchers, innovative or more creative without too much clinging to rigid formulas but rather be experimental but not neglecting the basic principles of engineering and design. The researcher takes a very practical approach, using theory and research as vehicles for providing the background to practical knowledge and insight. In keeping with the concept of practical approach to research, each chapter, sub-topic, opens with some definition or introduction to what that topic refers to or what it is going to deal with.

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