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IMPROVING THE TESTING FACILITIES OF AN  
AVERY UNIVERSAL TESTING MACHINE  
AND  
PREDICTING A MODEL FOR THE STRESS-STRAIN CURVE OF  
A TORSIONALLY PRESTRAINED CIRCULAR BAR AND  
COMPARING WITH EXPERIMENTAL RESULTS

A Thesis Presented for the Degree of  
Master of Philosophy  
in

Mechanical Engineering  
in the University of Peradeniya  
by

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To my parents

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