

DECLARATION

The work submitted in this Dissertation is the result of my own investigation, except where otherwise stated.

It has not already been accepted for any degree, and is not being concurrently submitted for any other degree.



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We endorse the declaration by the candidate

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Abbreviations

ac	alternating current
APF	Active Power Filter
ASD	Adjustable Speed Drive
CEB	Ceylon Electricity Board
CFL	Compact Fluorescent Lamp
dc	direct current
HPF	High Pass Filter
HV	High Voltage
IEC	International Electro technical Commission
IGBT	Insulated Gate Bipolar Transistor
MV	Medium Voltage
MCB	miniature Circuit breaker
MCCB	Molded Case Circuit breaker
PC	Personal Computer
PCC	Point of Common Coupling
PQ	Power Quality
PWM	Pulse Width Modulation
RMS	Root Mean Square
SMPS	Switch Mode Power Supply
TDD	Total Demand Distortion
THD	Total Harmonic Distortion
UPC	Uva Provincial Council
UPS	Uninterruptible Power Supply
VSI	Voltage Source Inverter