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MECHANICAL PROPERTIES AND CHARACTERIZATIONS OF POLYPROPYLENE BASED COMPOSITE

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Report submitted in partial fulfillment of the requirements for the award of the degree of B.Eng. (Hons.) Manufacturing Engineering

Faculty of Manufacturing Engineering
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June 2016
SUPERVISOR'S DECLARATION

I hereby declare that I have checked this thesis and in my opinion, this thesis is adequate in terms of scope and quality for the award of the degree of the Bachelor of Manufacturing Engineering (Hons.)

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LIST OF SYMBOLS

$\varepsilon$  Total strain, Bandwidth parameter

$L_0$  Initial length of the specimen

$L$  Final length

Gpa  giga pascal

Mpa  mega Pascal

J  joule

Kpa  kilopascal

mm  millilitre

kN  kilo newton

°C  degree Celsius

J/m  joule per meter
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<td>American Society for Testing and Materials</td>
</tr>
<tr>
<td>CATIA</td>
<td>Computer aided three-dimensional interactive application</td>
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<td>CAD</td>
<td>Computer-aided drafting</td>
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<td>PP</td>
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