MOLD DESIGN FOR PLASTICS INJECTION MOLDING PROCESSES (TWO COLORS) AND ANALYSIS OF GATES LOCATION

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A report submitted in partial fulfillment of
The requirements for the award of the degree of
Bachelor of Mechanical Engineering
With Manufacturing Engineering

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NOVEMBER 2009
SUPERVISOR’S DECLARATION

I hereby declare that I have checked this project and in my opinion, this project is adequate in terms of scope and quality for the award of the degree of Bachelor of Mechanical Engineering with Manufacturing Engineering.

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STUDENT’S DECLARATION

I hereby declare that this thesis entitled “Mold design for plastic injection molding process and gate location analysis” is the result of my own research except as cited in the references. The thesis has not been accepted for my degree and is not concurrently candidature of any other degree.

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<tr>
<td>Mpa</td>
<td>Mega Pascal</td>
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<tr>
<td>Mm</td>
<td>Milimeters</td>
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<tr>
<td>%</td>
<td>Percentage</td>
</tr>
<tr>
<td>° C</td>
<td>Degree of Celcius</td>
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<td>AISI</td>
<td>American Iron Steel Institute</td>
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<tr>
<td>ABS</td>
<td>Acrylonitrile Butadiene Styrene</td>
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<tr>
<td>PVC</td>
<td>Polyvinyl Chloride</td>
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<tr>
<td>CAD</td>
<td>Computer Aided Design</td>
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