

**FLOW BEHAVIOUR ENHANCEMENT IN MICRO-CHANNELS**

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for the award of the degree of  
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## **SUPERVISOR'S DECLARATION**

We hereby declare that we have checked this thesis and in our opinion, this thesis is adequate in terms of scope and quality for the award of the degree of Bachelor of Chemical Engineering.

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## STUDENT'S DECLARATION

I hereby declare that the work in this thesis is my own except for quotations and summaries which have been duly acknowledged. The thesis has not been accepted for any degree and is not concurrently submitted for award of other degree

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Dedicated to my lovely family for their support, love and care.

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**LIST OF ABBREVIATIONS**

DR	Drag reduction
DRA	Drag reduction agent
DRP	Drag reduction polymer
%DR	Drag reduction efficacy
HA	Hyaluronic acid
PA	Polyacrylamide
PAM	Polyacrylamide
PDMS	Poly (dimethyl siloxane)
PEO	Poly (ethylene oxide)
PNVF	Poly (N-vinylformamide)
RBC	Red blood cell
TMCS	Trichloromethylsilane