A NOVEL STRING GRAMMAR FUZZY CLUSTERING

ATCHARIN KLOMSAE

**DOCTOR OF PHILOSOPHY
IN COMPUTER ENGINEERING**

**GRADUATE SCHOOL
CHIANG MAI UNIVERSITY
MAY 2017**

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A THESIS SUBMITTED TO CHIANG MAI UNIVERSITY IN PARTIAL
FULFILLMENT OF THE REQUIREMENTS FOR THE DEGREE OF
DOCTOR OF PHILOSOPHY
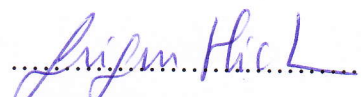IN COMPUTER ENGINEERING

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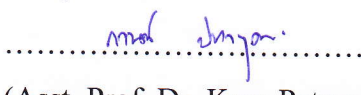# A NOVEL STRING GRAMMAR FUZZY CLUSTERING

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THIS THESIS HAS BEEN APPROVED TO BE A PARTIAL FULFILLMENT OF
THE REQUIREMENTS FOR THE DEGREE OF
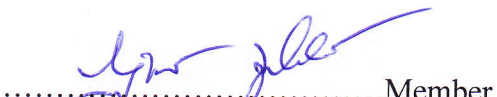DOCTOR OF PHILOSOPHY
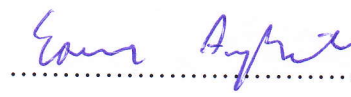IN COMPUTER ENGINEERING

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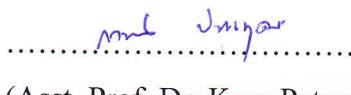
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17 May 2017

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