

**A SELF-DIRECTED LEARNING (SDL) IMPROVEMENT SYSTEM  
FOR HIGH SCHOOL STUDENTS' INTERNET USE**

**AMARIN TAWATA**

**DOCTOR OF PHILOSOPHY  
IN KNOWLEDGE MANAGEMENT**

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**GRADUATE SCHOOL  
CHIANG MAI UNIVERSITY  
NOVEMBER 2014**

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**A THESIS SUBMITTED TO CHIANG MAI UNIVERSITY IN PARTIAL  
FULFILLMENT OF THE REQUIREMENTS FOR THE DEGREE OF  
DOCTOR OF PHILOSOPHY  
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THIS THESIS HAS BEEN APPROVED TO BE A PARTIAL FULFILLMENT OF  
THE REQUIREMENTS FOR THE DEGREE OF  
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**Examination Committee:**

*Atichart Hancharnchai* Chairman  
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(Asst.Prof. Dr.Nopasit Chakpitak)

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*Nopasit Chakpitak* Co-advisor  
(Asst.Prof. Dr.Nopasit Chakpitak)

*Pradorn Sureephong* Co-advisor  
(Lect.Dr.Pradorn Sureephong)

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Amarin Tawata

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