Special Project Study Title Romanized Sanskrit – Thai Machine Transliteration

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Abstract

In Sanskrit study and research in Thailand, transliteration from Sanskrit documents and proofreading   
  
is a difficult and time-consuming task since Sanskrit documents contain have a great deal of content.   
  
To find solutions, this study presented the Romanized Sanskrit – Thai Machine Transliteration, the  
  
 rules development and algorithm of Romanized Sanskrit transliteration based on the IAST standard   
  
to Thai alphabets. There are two patterns. Transliteration patterns are composed of stable pattern and   
  
common pattern. The experimental results showed that the proposed former could perform accurately   
  
up to 98.16 % from 21,399 samples whereas the latter could perform accurately up to 95.82 % from   
  
30,049 samples. The expert in Sanskrit assessed it and commented that this system could reasonably   
  
transliterate Sanskrit and saved a great deal of time in transliteration.

Keywords: Sanskrit / Transliteration / Transliteration Machine