Myanmar grapheme to phoneme conversion by using Phonological Rules based on Noun and Verb

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Myanmar Grapheme-to-Phoneme conversion plays an important role in Myanmar text-to-speech system. The correct G2P conversion can improve the naturalness of TTS system. In Myanmar language, some words may have same spelling but different pronunciation that occurs especially in noun and verb. However, the previous research works on G2P conversion system did not consider these cases. Therefore, in this paper, the new phonological rules are proposed to solve the problem of getting correct phoneme sequence based on noun and verb in G2P conversion. These rules will helpful for the high quality Myanmar text to speech system.