LaSi Spell: Language Agents for Sinhala Spellings

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A Spell Checker is a tool which can used as a learning tool for any language learner because meaningful words created through correct spellings. It's an essential part of several computer softwares such as web browsers, word processors and others because spelling of words give there correct meaning. Sinhala is a language which contain so many spelling rules, while there are few spell checkers has been developed for this language. Multi-agent systems are capable of handling the complexity of the real world problems through its emerging features including communication, coordination and negotiations. This paper presents design and implementation of multi agent-based spell checker, named LaSi Spell which implemented through the MaSMT framework. It consists of sub ordinary agent systems namely corpus agent, rules agent, gui agent, custom agent and internet agent. LaSi Spell, desktop application has been implemented through java and capable to run with windows. The LaSi Spell has been incrementally tested and has shown encouraging results in its performance.

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