

On Demand Web Page Translation -BEES in action-

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Abstract –Web-enabled technologies including www, email are widely use and have become popular communication media in the modern world. However, many of these services are available only through the English language. This is a problem faced by millions of internet users who are not fluent in English. Therefore, many countries address this issue by using Machine Translation technologies to translate these English based web resources into their local languages. This paper reports the design and implementation of the English to Sinhala Machine Translation system (BEES) that has been developed to translate an English web page in to Sinhala through the concept of Varanagama (conjugation) in Sinhala Language. In addition, it uses a context-based approach to semantic handling. The design, implementation and major translation issues have been presented in the paper.