

Approaches in Machine Translation: Exploring Novel Applications

Dr. Abhigyan Dwivedi

Assistant Professor

Department of Linguistics

Dr. H.S.G. Vishwavidyalaya

Sagar, M.P.

Abstract

Language is a central communication medium, and translation is an essential tool in unknown language for understanding the knowledge. Machine translation enables people, without the aid of the human translator, to understand unknown language knowledge. This research is a short review of machine translation and their approaches in human helping in unknown language. And also discuss the translation of poetry, culture and whether it can replace the human transfer by machine.

Keywords—Machine Translation, Rule-base Machine Translation, Example-base Machine Translation, Statistical Machine.

Introduction

Language is medium in which human can express his/her ideas. The total estimated languages in world are between three thousand to eight thousand. It is very difficult to understand every language, but the languages are the only medium of communication in human society. The idea of translation introduces to communicate messages from one language to others.

The idea of universal language was found in 17th century. The concept of translation was based on word-to-word translation. With modern computer and advance computation linguistics man has able to develop automatic machine translation. The Era of modern machine translation started in 1940s and upto 1960 much work was done in advance linguistics. In 1966 the Automatic Language Processing Advisory Committee (ALPAC) reported that Machine Translation could not produce quality translations as human translators. In 1980s IBM started work in statistical machine translation and 1990s the parallel text availability had increased the interest in