

AnglaBharati Machine Translation Systems

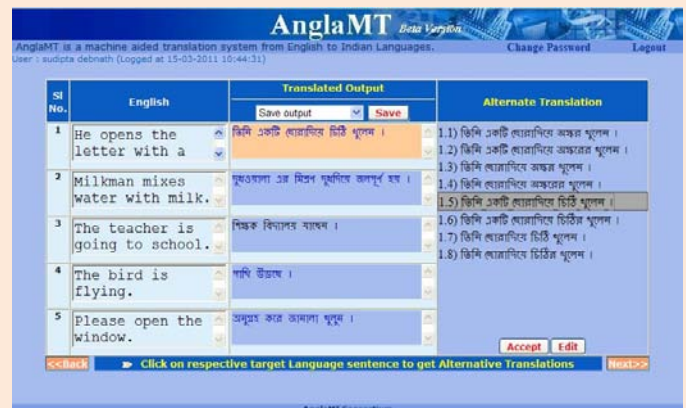
English to Assamese, Bangla, Hindi, Malayalam, Nepali, Punjabi, Telugu, Urdu.

AnglaBharati is a Rule Based Machine Translation System, designed for translating Text in English to Indian languages with pseudo-interlingua approach by IIT, Kanpur. It analyses English only once and creates an intermediate structure with most of the disambiguation performed and is used to generate Indian Language translated output. This approach is adapted to create Eight MT systems with the support of TDIL, DeitY, by CDAC centers.

System Features are :

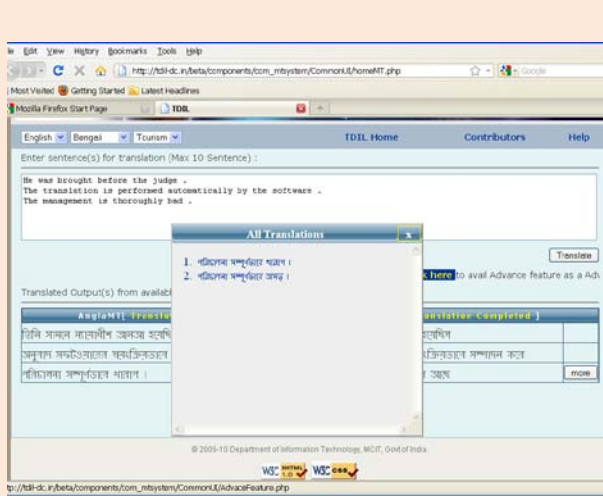
- Accepts sentence input on-line or from file
- Supports .doc, .txt and .pdf as input file.
- Single/multiple translation for a single sentence input to be chosen by user
- User can save input and output in Unicode format
- Output supports UTF, ITRANS and Devnagari scripts
- Floating keyboard for user editing

The AnglaBharati methodology has been adapted for generating translation from English into Eight Indian languages viz. Assamese, Bangla, Hindi, Malayalam, Nepali, Punjabi, Telugu, Urdu.



This is a project sponsored by MCIT, Govt. of India for translation from English to Indian languages.

A common GUI for the ease of users is provided. The screens given below show the GUI.



AnglaBangla: This is a system developed for translation from English to Bangla. There are multiple outputs and the possible translations have also been shown in the above screenshot.



AnglaPunjabi: This is a system developed for translation from English to Punjabi. Punjabi belongs to an Indo-Aryan language family. The outputs for 3 sentences for Punjabi have been shown.



AnglaUrdu: This is a system developed for translation from English to Urdu. Urdu belongs to an Indo-Aryan language family. The output for 3 sentences for Urdu have been shown.



AnglaMalayalam: This is a system developed for translation from English to Malayalam. It is an attempt to develop a MT system for Dravidian languages using AnglaBharati technology.

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