Machine translation.

History :

1949 ==== MT( macine translation) appeared as a coding and decoding problem. During the world war scholars treat the language as a secret code they want to decode. This view was put forward by Warren Weaver (information theory). He proceeded to come up with theoritical information.

1966==== Automatic translation failed to produce satisfactory result by ALPAC Automatic language processing advisory comittee

1980===== Japan made efforts to develop machine translation

2005====== public adoption

Since 2016======= most translation is done by machine translation

Approaches :

Example of based machine translation

Statistical translation ==== Availablility of data helped machine translation

Neural networks were found to work tremendously better than anything in improving the translation accuracy.

neural translation =====based on parallel corpora

fast algorithm can look at context ,content and backgound of the various texts in order to drive more and more powrful translation systems.

Applications :

Different types of translation written and oral affected the way machine translation was built.

It deals with oral output also eg : the lecturer in the podium is talking in German and the translator logs into a web page , the output translation arrives simultaneously under translator screen.

Current apps :

JIBBIGO======= first commercial speech translation on a phone( voice translation device)

Google Translate===== website translation

Bing trans===== tourist apps

Systran======= input for professional translators

**Computer assisted translation tools :**

CAT tools are designed to automate translation related tasks to make translators fatser and more efficient. Translation upload the source document to the application and the interface will split into segments (phrases, sentences or paragraphs) for them to translate. These source segments and their corresponding translations are then stored in a database known as a translation memory and can be recalled later during the translation process.