Tamilinaiya Dictionary
User Manuals

This is a user manuals for the Tamilinaiya Dictionary developed by Neechalkaran. This desktop based tool has been developed based on online consolidated dictionary, which was released on 2016, and with assistance of Tamil virtual Academy.

Source Dictionaries
Below are the source dictionaries and it location which has been used in the application.
http://www.tamilvu.org/library/dicIndex.htm தமிழ் - தமிழ் அகரமுதலி
http://www.tamilvu.org/library/dicIndex.htm தமிழ் லெக்சிகன் - Tamil Lexicon
http://dsalsrv02.uchicago.edu/dictionaries/fabricius/ பாப்ரிசிஸ் அகராதி - J.P. Fabricius Dictionary
http://dsalsrv02.uchicago.edu/dictionaries/kadirvelu/ கதிர்வேலு அகராதி -Na Kadirvelu Pillai Dictionary
http://dsalsrv02.uchicago.edu/dictionaries/mcalpin/ மெக்ஆல்பின் அகராதி - David W. McAlpin
http://dsalsrv02.uchicago.edu/dictionaries/winslow/ வின்சுலோ Miron Winslow
http://dsalsrv02.uchicago.edu/dictionaries/tamil-lex/ சென்னைப் பல்கலைக்கழகம் (DSAL)

Structure
Once the tool is open below screen will get appear. User can enter Tamil word in search box to do search
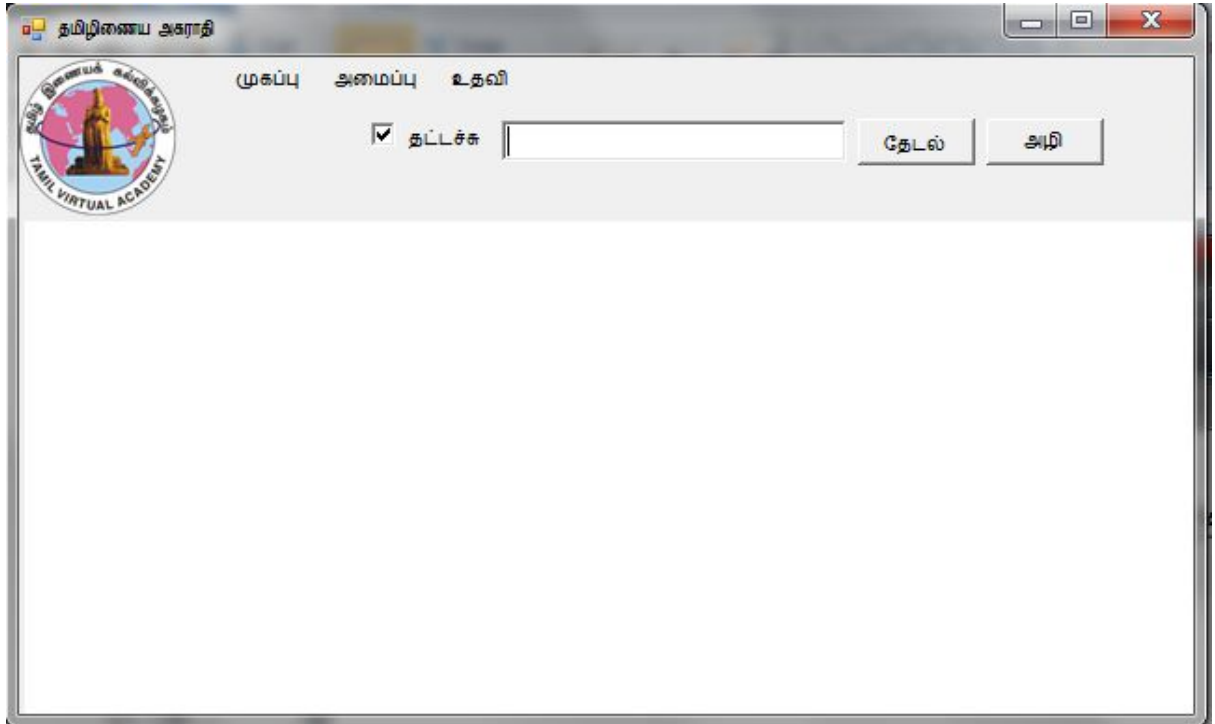
On setting menu, user can choose the typing style. It supports 2 type of typing i.e. phonetic and Tamil99. Phonetic style is the default selection, User can change it accordingly as per their convenience.
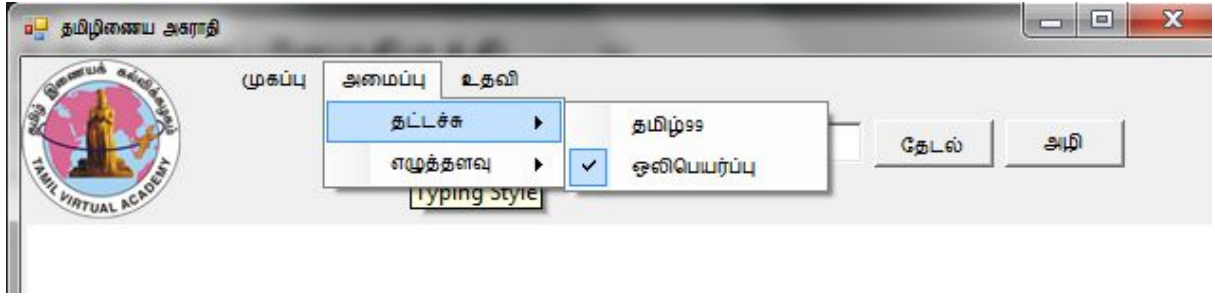
Ensure above checkbox is selected to type tamil using available typing keyboard. To type in english or own input keyboard, the user needs to opt out the keyboard selection as shown in image.
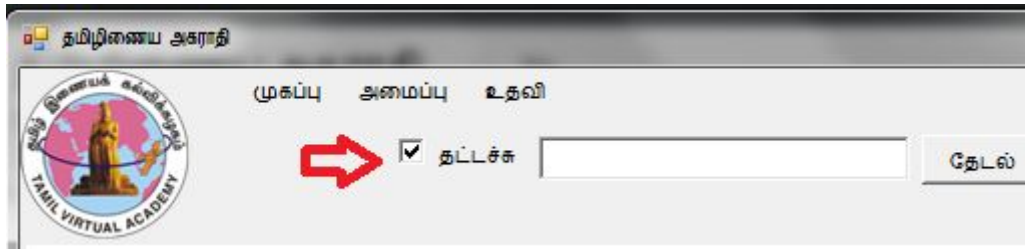
To increase or decrease the font size in the editor area, goto அமைப்பு -> எழுத்தளவு and set the do the modifications

Installation
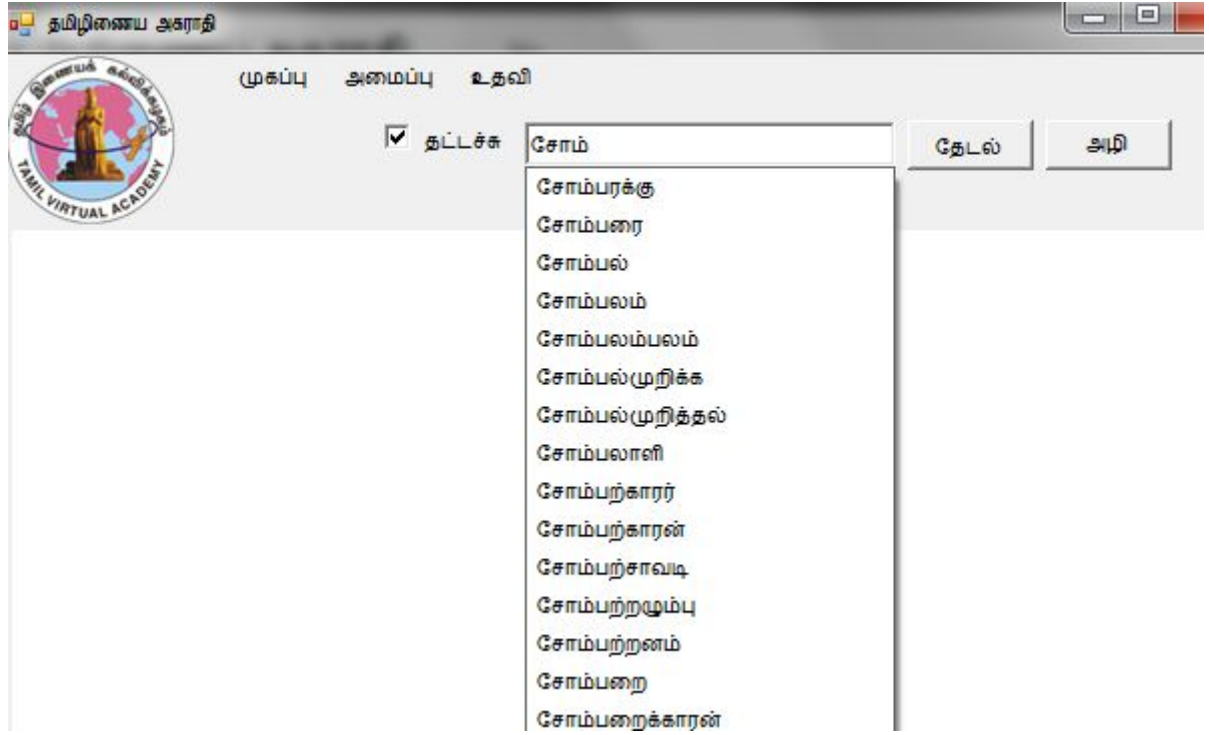Download the software from Tamil Virtual academy (tamilvu.org) website
Unzip the file and save it in required folder
Within the folder, click dictionary.exe to open the software.
It is a portable software and no hard installation required

<u>Usage</u>

User can directly type the required word. While typing it shows the autosuggestions for the words

Then click the search button to initiate the search. Tool will check the words with above mentioned dictionaries and present the result. If the word does not present in the dictionary then it simple tells no word found

Below example shows that the tool can recognize inflect words as well

By clicking the heading of the result dictionaries, user can reach the original source in online. User can learn more or do cross verifications with these links

Basic Design

- Unlike other dictionaries it not only recognize the word but also recognize its inflect forms and provide the meanings. Based on Tholkapiyam and Nanool rules it understands the root word from given word which contains elements like case, prepositions, etc.,
- Out put content was stored in HTML format so no formating modification required while parsing the result.
- It has around 2 lakh root words and recognize 2 crores Tamil words
- Boyer-Moore algorithm used for quicke comparison

http://www.tamilvu.org/library/lexicon/html/srchlxpg.htm
Chennai university (tamilvu.org). 175050 words

http://dsalsrv02.uchicago.edu/dictionaries/tamil-lex/
Chennai university 118440 words

http://www.tamilvu.org/library/ldttam/html/ldttamin.htm
Tamil Tamil dictionary 64044 words

http://dsalsrv02.uchicago.edu/dictionaries/fabricius/
Fabricius 19039 words

http://dsalsrv02.uchicago.edu/dictionaries/kadirvelu/
Kadirvelu 32084 words

http://dsalsrv02.uchicago.edu/dictionaries/mcalpin/
McAlpin 1018 words

http://dsalsrv02.uchicago.edu/dictionaries/winslow/
Winslow 59449 words

For Latest version of Spellchecker is available at address
http://vaani.neechalkaran.com/word Suggestions and comments are welcome at
neechalkaran@gmail.com