



Murasu Anjal 10

User Guide for Windows

Murasu Systems Sdn. Bhd.

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Introduction

Murasu Anjal is a suite of software tools that help create, edit, convert and publish Tamil content on Windows and Mac OS X operating environments.

Muthu Nedumaran first developed the software in 1985, on a personal computer running MS DOS 3.1 operating system as a hobby. The early versions of the software had both software and hardware components. The graphics card hardware was modified to render Tamil characters along with Roman letters.

Features of the software were regularly updated year after year. Murasu Anjal 5.0, the first version to run on Microsoft Windows operating environment (Windows 3.0) was released in 1991. Mac OS X version of Murasu Anjal was included as part of the operating system in Tiger (10.4).

Murasu Anjal changed the Tamil publishing landscape in the region from the day it was first introduced. Daily, weekly and monthly publications and printed books were produced with Murasu Anjal.

Version 9 of the software, which was introduced in late 1999 included support for Unicode. It is widely believed that Murasu Anjal was the first Tamil input software to support Unicode at that time. Much of the technical design of the software remained the same from versions 5.0 till 9.7. Modern operating systems such as Windows 7 and Mac OS X provide much better support for Indian languages. As such the old design required a review.

Murasu Anjal 10, introduces a completely redesigned set of components. Each of the components takes advantage of the operating system services to bring out the best utilities for Tamil while staying conformant to the standards for better co-existence with other languages, specifically Chinese.

This release includes companion tools that will help users create Tamil content with improved ease of use and compatibility with all the common software, specifically Office and Web applications.

A highly sophisticated input method editor, look-up word dictionary, visual keyboard are just to name a few. Legacy documents composed with older encoding formats like TSCII, TAB, TAM and Murasu-6 can be converted to Unicode with Anjal's embedded conversion tools. High quality Tamil Unicode fonts, some with regular and bold variants are included for better presentation

The “Nigandu” feature introduced in Anjal 9.5 has been redesigned in the new version. It now includes a complete Tamil-English dictionary from Lifco.

Overview of Key Features

Input Methods

Unlike previous versions of Murasu Anjal that provided keyboard drivers, Murasu Anjal 10 provides Input Methods based on Text Services Framework. This ensures compatibility with all Unicode supported applications and future versions of Windows and Mac OS X.

Visual Keyboard and Character Palette

To assist new users who want to learn the Tamil99 keyboard layout, the Tamil99 Visual keyboard is provided so that users can click through the keys to input text or use it as an on-screen reference while typing on the physical keyboard. The Character Palette allows users to select Tamil symbols and numerals that are not mapped to the keyboard layout.

Lookup Word with Lifco Tamil-English Dictionary

The complete Tamil-English Dictionary is bundled into Anjal. This will allow users to lookup the words and check their meanings, as they are composed.

Anjal Unicode Fonts

Fifteen professionally designed Tamil Unicode fonts are included. Some of them are provided with regular and bold variants for better contrast between body text and headings. In addition, Anjal InaiMathi Schoolbook font is specifically adapted to comply with the written form of Tamil alphabets as approved by MOE.

Document converter Add-In for MS Office

Old documents created in legacy encoding such as TSCII, TAB or TAM can be converted to Unicode with the converter embedded into Office applications. For the first time, users will be able to convert even PowerPoint and Excel documents. This add-in is available only in the Microsoft Windows version.

File Converter for HTML and Text Documents

Legacy documents in TXT or HTML files can be converted using the file converter. Users just drag-and-drop these files and the converter creates Unicode versions of the files. Many files can be selected and dropped into the converter for a batch conversion.

Anjal PDF Writer

PDF is vital for exchanging documents with others while retaining the formatting information. For this reason, Anjal includes a PDF writer, which is installed as a virtual printer. PDF files can be created from any application by just printing to Anjal PDF Writer.

Anjal.Net Community Portal

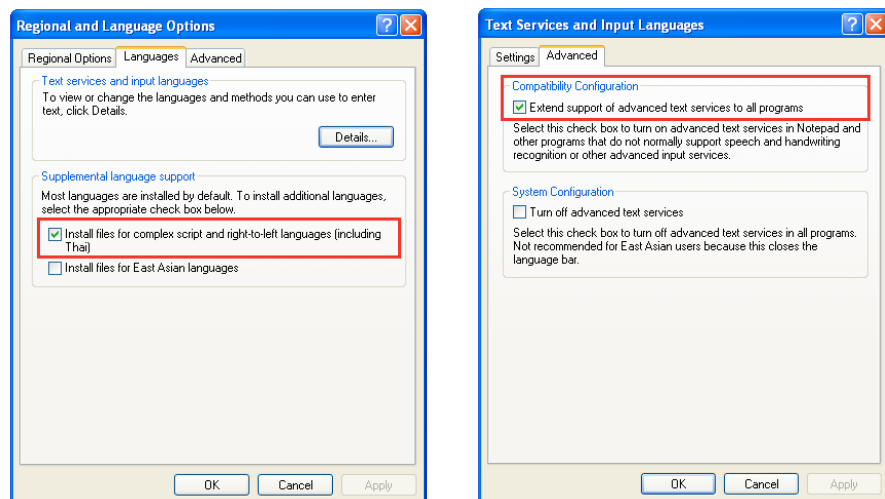
This online portal is created for users to exchange views, participate in forums, create blogs and read regularly posted articles and guides on Murasu Anjal software. Membership is open to all Anjal users.

Installation

Pre-requisites

Before installing Anjal into your computer, please ensure that you have the following minimum requirements:

1. An active Internet Connection
 - a. Internet connection is required at the time of installation. This is to verify your Anjal 10 serial number.
2. Adobe Reader or any PDF reader
 - a. This is required to read the help document and other PDF documents that you may create from time to time.
If you are able to read this help document, then your computer already has a reader installed.
3. Microsoft Windows Xp with Dot Net Framework 2.0
 - a. If your computer is running Windows Vista or later, the required Dot Net framework is already included.
 - b. For WindowsXp, you may install the framework from the distribution CD-ROM. The link to install this can be found in the main screen of the installation CD-ROM.
4. Complex Script Support enabled & Text Services turned on (Windows Xp only)
 - a. If you are running Windows Vista or Windows-7, you need not do anything to enable this.
 - b. For WindowsXp, you may enable Complex Script by opening “Regional and Language Options” in control panel and checking this option (shown below)
 - c. Click on the “Details” button, select the “Advanced” tab and check “Extend support of advanced text services to all programs”.

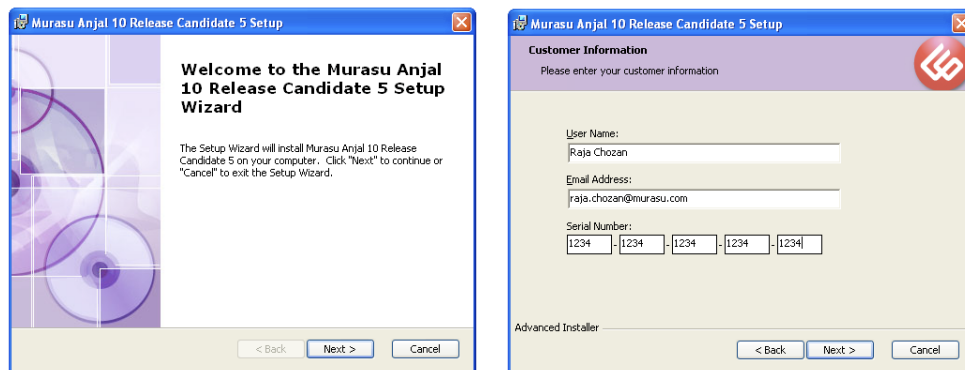


Note: You may be required to insert the WindowsXp CD-ROM when you click “Apply” or “OK” in the “Regional and Language Options” window.

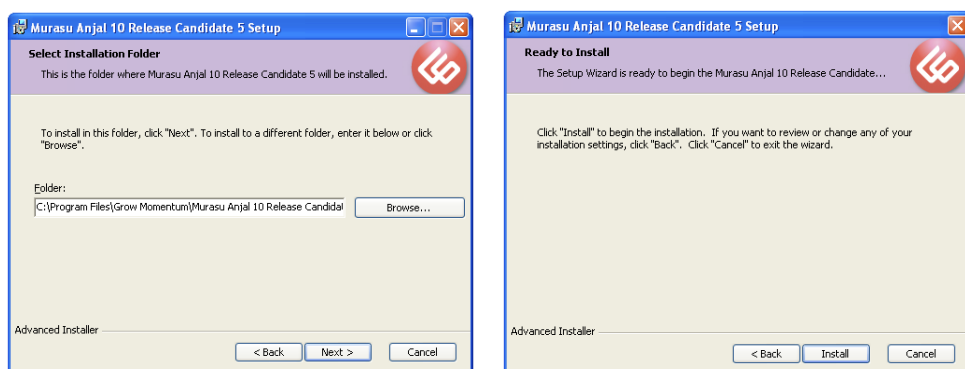
Installing Murasu Anjal

Start the Murasu Anjal installer either by double clicking the downloaded file or from the appropriate link on the CD-ROM main screen.

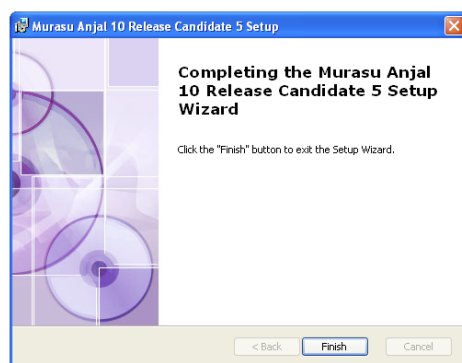
Follow the steps as outlined below to complete the installation:



IMPORTANT: It is important to enter your full name and email address in the respective columns. In addition, Murasu Anjal requires a Serial Number for activation. Depending on your type of purchase, this number can be found either in your purchase receipt email or pasted on the CD-ROM cover. Make sure you enter the Serial Number exactly as provided.



Click the Next button to accept the default values. It is highly recommended that you keep the installation Folder as provided.



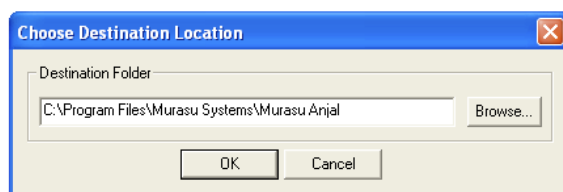
Click Finish once the installation is complete. This will close the installer. There is no further configuration or setup to do on Murasu Anjal, except to install the Anjal PDF writer. We'll do that next.

Installing Anjal PDF Writer

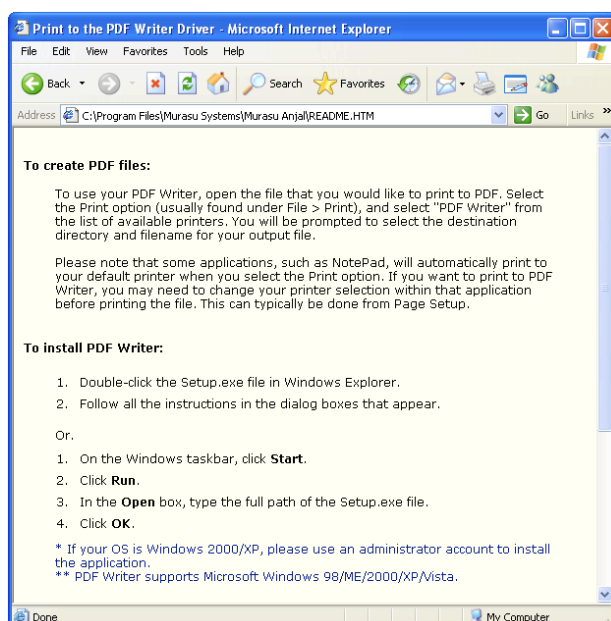
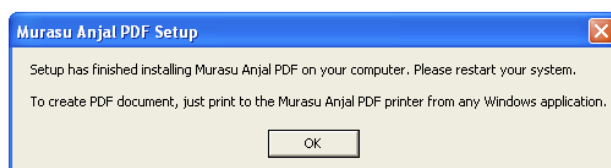
If you are installing from the CD-ROM, click on the link in the main screen.

(Anjal PDF Writer can also be downloaded from Anjal.Net. However, you must login before you can download. You may create a login ID if you do not have one. See the Anjal.Net section later in this document. Once you have logged in, navigate to the Anjal PDF writer page to download and install the software).

The installation of Anjal PDF writer is very simple. Click OK when prompted for Destination Folder to accept the default.



Once the installation is complete, you will get the confirmation and a brief user guide on how to create PDF documents:

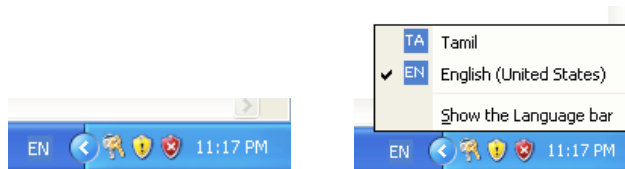


Tamil Input Methods

The Language Bar

The installer would have added Anjal input methods to the language bar in Windows. You can invoke the input method in the following ways:

1. Click on the “EN” button on the right hand corner of the task bar.



The languages menu will pop-up. Select “TA” to set the input to Tamil mode.

2. Permanently display the language bar on the desktop.
 - a. Instead of clicking on the “EN” or “TA” button on the task bar all the time, you can make the language bar float on the desktop.
 - b. To do this, click on the “EN” or “TA” button (as shown above)
 - c. Select “Show the Language bar” menu item.
 - d. Once the language bar is on the desktop, you can then use that to switch input languages.



- e. When you select Tamil, you will see the Anjal icon and the Anjal Options menu.

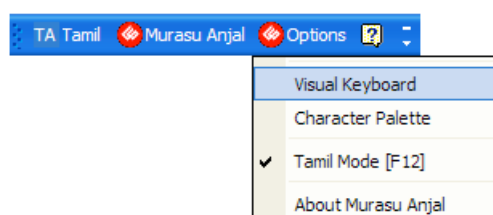


Selecting the Input Language

The language bar allows you to select Input Languages. You can have multiple input languages in Windows. These languages can be Chinese, Arabic or others. Selecting the input language activates the input method (or keyboard layout) associated with the language.

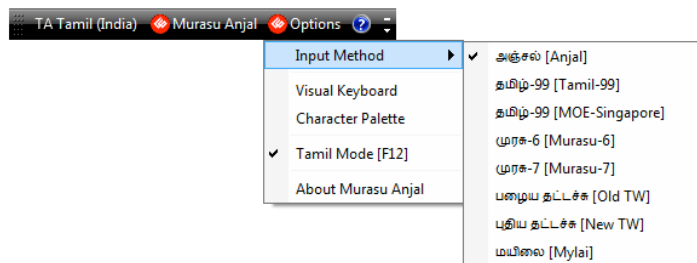
In the case of Anjal, you must select Tamil as the input language. This is shown in figure-2(d) above.

Anjal also includes an “Options” menu in which you can choose your keyboard layout, start the Visual Keyboard, the Character Palette or switch input modes.



Selecting the Input Method

Murasu Anjal includes 8 input methods. They are listed in the Options menu shown below. The default input method will be Anjal. You can change that to your preferred one by simply selecting it from the menu. The active input method will have a tick mark on the item.



Switching Input Modes [English <-> Tamil]

While Murasu Anjal remaps the keyboard for Tamil text input, it also allows users you to change the input-mode to English. In other words, with Murasu Anjal, you can input in Tamil and English while remaining in Tamil mode.

To do this, use the F12 key. Users of earlier versions of Murasu Anjal will be familiar with this.

Note that F12 allows you to change “input mode” between Tamil *and* English without changing the “input language”.

Note: Once you change the input language (by selecting a different language in the language bar), F12 will no longer function as the mode-switching key.

Anjal Input Method

Murasu The Murasu Anjal keyboard layout was introduced in the first version of Murasu Anjal released in early 1994. It is based on the phonetic mapping of Tamil letters to those of English. The table below shows the mapping:

உயிர் எழுத்துகள் (Vowels)		மெய் எழுத்துகள் (Consonants)	
அ	a	க்	k
ஆ	A <u>or</u> aa	ச்	ch <u>or</u> s
இ	i	ட்	d <u>or</u> t
ஈ	I <u>or</u> ii	த்	th
உ	u	ப்	p <u>or</u> b
ஊ	U <u>or</u> uu	ற்	R
எ	e		
ஏ	E <u>or</u> ee	ய்	y
ஐ	ai	ர்	r
ஒ	o	ல்	l
ஓ	O <u>or</u> oo	வ்	v
ஒள	au	ழ்	z
ஃ	q	ள்	L
கிரந்த எழுத்துகள் - Grantha			
ஹ்	h	ங்	ng
ஸ்	S	ஞ்	nj
க்ஷ்	x	ண்	N
ஜ்	j	ந்	n- <u>or</u> w
ஷ்	sh	ம்	m
ஸ்ரீ	sri	ன்	n <u>or</u> n=

Anjal Key sequences:

1. To get compound letters (உயிர்மெய்), type the base consonant followed by the respective vowel. Examples:

mozi => மொழி

anbu => அன்பு

2. To get elongated vowels (நெடில்) type the same vowel twice or upper case letter. Examples:

yaakaavaaraayinum => யாகாவாராயினும்

yAkAvArAyinum => யாகாவாராயினும்

3. Words with ன்ற். Type **ndr** to get ன்ற். Examples:

mandram => மன்றம்

kandru => கன்று

toondri => தொன்றி

4. Words with ற்ற். Type **tr** to get ற்ற். Examples:

patru => பற்று

pootri => பொற்றி

petraal => பெற்றால்

5. Words with ண்ட். Type **nd** to get ண்ட். Examples:

mandapam => மண்டபம்

kandu => கண்டு

veendaam => வேண்டாம்

6. Words with ந்த். Type **nt** to get ந்த். Examples:

sontam => சொந்தம்

anti => அந்தி

vantu => வந்து

7. Words with ஞ்ச். Type **njj** to get ஞ்ச். Examples:

ManjjaL => மஞ்சள்

Tanjjam => தஞ்சம்

Konjji => கொஞ்சி

8. Words beginning with the letter ந. When **n** is typed after a space, tab or Return key, it will automatically produce 'ந'.

The Tamil99 Layout

The key arrangements in Tamil99 is shown in the figure below:



1. The vowels are arranged on the left and consonants on the right.
2. Some punctuation keys are reassigned: example single-quote, double-quote, semi-colon, colon, forward-slash and square brackets. You may also type these characters from their original location while in "English mode".
3. The Grantha letters are mapped to upper case letters Q, W, E, R, T and Y. Therefore, you need to press the shift key to input Grantha letters.
4. Independent vowels (அ to ஃ) are typed by pressing the respective keys in the layout. These keys will become dependant vowels (உயிர்க் குறியீடு) when typed immediately after a base consonant.
5. To get base consonants, type the respective keys on the right.
6. To get compound letters (உயிர்மெய்), type the base consonant followed by the respective vowel.

Tamil99 Pulli (`)

Pulli is mapped to the lower case ' f ' key. Since a pulli can only follow a base consonant, this key will generate AYTHAM (ஃ) when typed without a preceding base consonant.

Tamil99 Composition Examples

Below are some examples of simple Tamil words and their respective keystroke sequence:

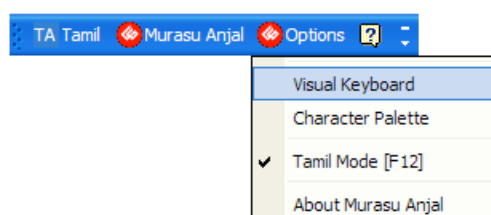
வணக்கம்	V வ	P ண	H க	F .	H க	K ம	F .				
தமிழ்	L த	K ம	S இ	? ழ	F .						
ஜீவன்	Shift	E ஐ உஊ	W ஷ ஈஈ	V வ	I ன	F .					
தூய்மை	L த	E ஐ உஊ	“ ‘ ய	F .	K ம	R ஹ ஐ					
திருக்குறள்	L த	S இ	M ர	D உ	H க	F .	H க	D உ	U ற	Y ழ ள	F .
புஷ்பா	J ப	D உ	Shift	W ஷ ஈஈ	F .	J ப	Q ஸ ஆ				

Visual Keyboard and Character Palette

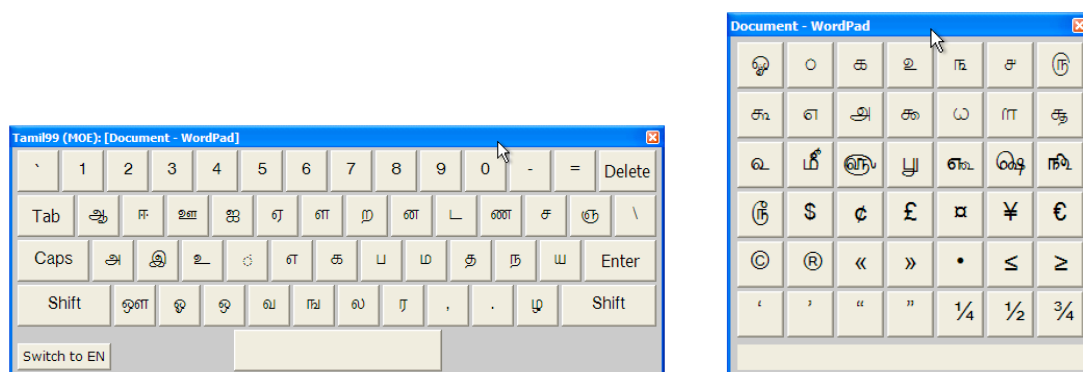
To assist users who are new to the Tamil text input or the Tamil99 keyboard layout, Anjal provides a Visual Keyboard tool. The Visual Keyboard is a tool-window that will be always on top of all other application windows. (NOTE: *Anjal Input method explained above does not need a Visual keyboard as the mapping is based on regular English keyboard*)

Likewise, a Character Palette tool is provided to input Tamil symbols and numbers that are not mapped to the keyboard layout.

To start the Visual Keyboard or the Character Palette, select the respective menu item from Anjal language bar options menu:



Options menu showing Visual Keyboard and Character Palette menu items



Visual Keyboard and Character Palette showing the target application as Wordpad

Setting the target application

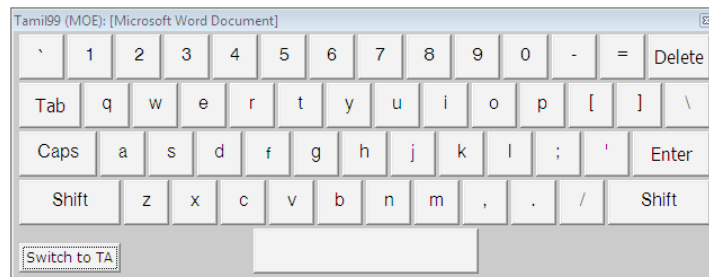
1. After starting the Visual Keyboard or Character Palette, simply click on the application window you want to send the 'keystrokes' or characters to.
2. The name of the selected target application will be shown on the palette's window title.
3. Once the target application has been set, click on the respective buttons on either palette to send the characters.
4. To change to another target window, simply click on the new window's input area.

Note on Tablet PCs: The behavior may not be the same on Tablet PCs. It may not be possible to change the target window on Tablet PCs. To do so, you may need to quit the Visual Keyboard or Character Palette and restart it when the new target window is active.

Using the Visual Keyboard

Once your target application is set, you can click on the keys to send keystrokes to the application. This action is similar to typing the corresponding keys on the keyboard.

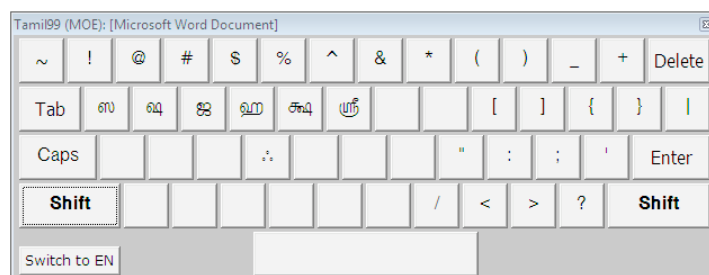
You can switch the mode from Tamil to English by clicking on the “Switch to EN” key at the bottom of the keyboard. The picture below shows the Visual Keyboard in English mode.



To simulate a “Shift”, click on the “Shift” key. This will hold the shift key until the next key is clicked. Once the next key is clicked, the “Shift” key will be “released”.

To hold the “Shift” key permanently, click the “Caps” key. This will ensure that the Visual Keyboard is always in the shifted state.

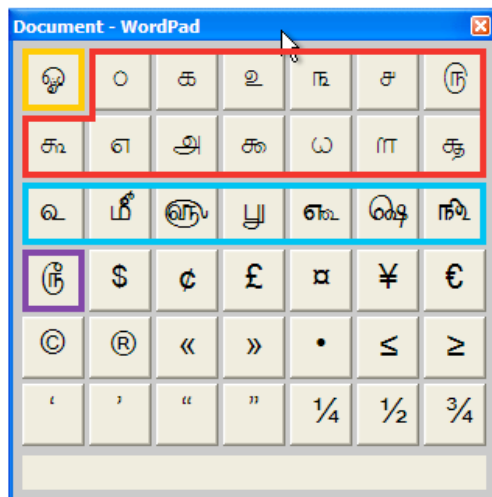
Observe that the key labels change when the “Shift” or “Caps” key is clicked. The picture below shows the Visual Keyboard with “Shift” key clicked. Note that the Granta letters are mapped to the respective keys in the Tamil99 layout.



Characters in the Character Palette

The character palette utility allows you to input characters that are not mapped to the Tamil99 keyboard. In addition it also includes non-Tamil characters that are not available in the standard PC keyboard.

The picture below shows the classification of Tamil numerals and symbols defined in the Unicode standard.



- Yellow box: Tamil Sign OM
- Red Box: Tamil Numerals
- Blue Box: Various Tamil Signs
- Purple Box: Tamil Rupee Sign

Note: The Unicode name of the characters will appear at the bottom of the palette when the mouse is placed above the character.

Lookup Word with LIFCO Tamil Dictionary

Murasu Anjal 10 includes the complete Tamil-English Dictionary from LIFCO. Details of the print version of this dictionary can be found at <http://lifcobooks.com>

The dictionary can be used while composing Tamil text to lookup Tamil words and their meanings in Tamil and English.

Lookup word will only work on MS Word documents in Windows Xp. On Windows Vista, it works on MS Word, PowerPoint and Excel. It can be invoked as follows:

Lookup active word

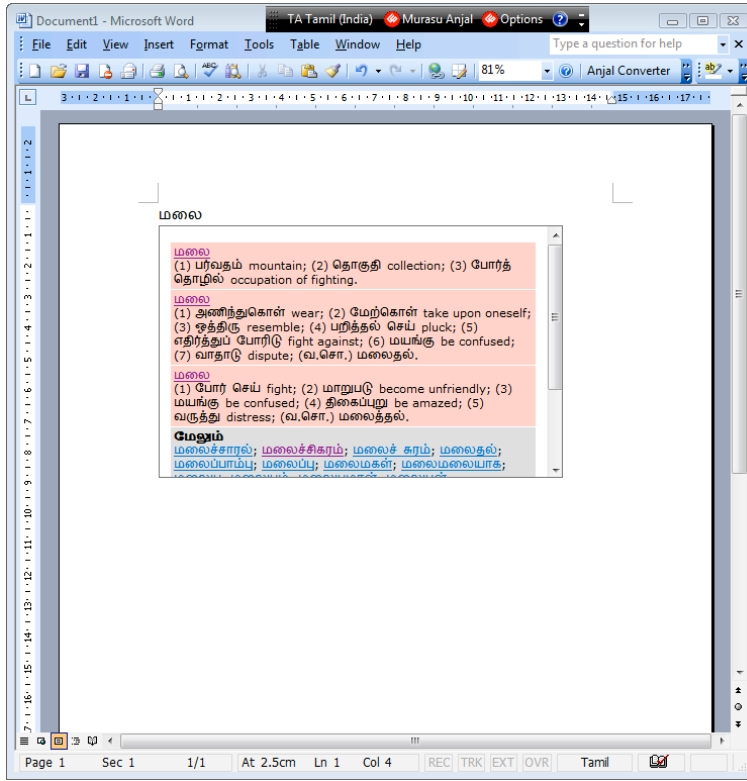
Active word is the word that is currently being composed.

To lookup an active word, just press the “Esc” key immediately after typing the last letter in the word. The Esc should be typed before any space or punctuation mark is typed.

The figure below shows the lookup word window showing the entries for the active word.



Note: You may click on the words in the grey box at the bottom to lookup more words.



Lookup “active word” in MS Word. Note that the active word is not highlighted in MS Word, but the word currently being composed is considered active.

To lookup active word, there should not be any error correction done when the word is typed. For example, if the backspace key is used, the words “active” status is lost.

Lookup pre-typed word

To lookup a pre-typed word in a document, just select the word and press the Esc key. This will bring up the look-up window in the same way as looking up “active word”. This feature may not work in all applications. It has been tested to work in MS Word running on Windows Xp.

Limitations of the lookup word feature

This feature is designed for quick lookups of words and not as a full-fledged stand-alone dictionary. It is highly recommended that you close the lookup window by pressing the “Esc” key again the moment you are done. Selecting a word or clicking on “Close” will also close the lookup window.

Note: It is not advisable to keep the lookup window open and move to other applications.

Murasu Anjal Fonts

Murasu Anjal 10 includes 25 Tamil typefaces that are completely Unicode compliant. These typefaces are available on both Windows and Mac OS X platforms. This enables users to easily take their documents and work across both these platforms.

Two of the typefaces include regular and bold variants. This feature allows a single typeface with two different weights for consistent type styles in documents.

The table below lists some font faces that are available in Anjal 10 and their recommended usage. This is just a sample set of fonts. There are more fonts in the package that what is shown in the samples below.

Schoolbook Font : Recommended font for teaching and learning

Anjal InaiMathi has a variant that is specifically designed for primary school text usage. The glyphs in this font, called Anjal InaiMathi Schoolbook, are designed to meet the standard for letter shapes set by the Ministry of Education.

தூரம், கழுகு, முக்கு, இலை, பரிவு, பார், ஓடம்
--

Body Text Fonts

The screen capture below shows fonts that are specifically designed for body text. Two of these, Anjal InaiMathi and Anjal Chittu Slant, are available in two faces: regular and bold. The emboldening of the stem widths of these fonts in design, make the bold faces stand out from their regular counterparts. The effect will be much better than the default emboldening done by Windows.

<p>பூபுவின் தொப்பி பூபு ஒரு குட்டி யானை. பூபுவுக்கு அம்மா யானை ஒரு தொப்பி வாங்கி வந்தது. பூபு மகிழ்ச்சி அடைந்தது. அது தொப்பியை அணிந்து பார்த்தது.</p>	Anjal InaiMathi Regular & bold
<p>பூபுவின் தொப்பி பூபு ஒரு குட்டி யானை. பூபுவுக்கு அம்மா யானை ஒரு தொப்பி வாங்கி வந்தது. பூபு மகிழ்ச்சி அடைந்தது. அது தொப்பியை அணிந்து பார்த்தது.</p>	Anjal Chittu Slant Regular & Bold
<p>பூபுவின் தொப்பி பூபு ஒரு குட்டி யானை. பூபுவுக்கு அம்மா யானை ஒரு தொப்பி வாங்கி வந்தது. பூபு மகிழ்ச்சி அடைந்தது. அது தொப்பியை அணிந்து பார்த்தது.</p>	Anjal Arulmathi
<p>பூபுவின் தொப்பி பூபு ஒரு குட்டி யானை. பூபுவுக்கு அம்மா யானை ஒரு தொப்பி வாங்கி வந்தது. பூபு மகிழ்ச்சி அடைந்தது. அது தொப்பியை அணிந்து பார்த்தது.</p>	Anjal Mullai
<p>பூபுவின் தொப்பி பூபு ஒரு குட்டி யானை. பூபுவுக்கு அம்மா யானை ஒரு தொப்பி வாங்கி வந்தது. பூபு மகிழ்ச்சி அடைந்தது. அது தொப்பியை அணிந்து பார்த்தது.</p>	Anjal Mallikai
<p>பூபுவின் தொப்பி பூபு ஒரு குட்டி யானை. பூபுவுக்கு அம்மா யானை ஒரு தொப்பி வாங்கி வந்தது. பூபு மகிழ்ச்சி அடைந்தது. அது தொப்பியை அணிந்து பார்த்தது.</p>	Anjal Munivar

Stylish Text Fonts

The screen capture below shows stylish fonts that can be used for casual body text or sub headings:

தமிழ் மொழி விழா	Anjal Amma
தமிழ் மொழி விழா	Anjal Selvam
தமிழ் மொழி விழா	Anjal Sudar

Heading Fonts

The screen capture below shows some heading fonts that can be used in formal and informal documents. The font Anjal Thoegai has another variant called Anjal Thoegai College (not shown in the capture).

தமிழ் மொழி விழா	Anjal Kayal
தமிழ் மொழி விழா	Anjal Mathavi
தமிழ் மொழி விழா	Anjal Sinthu
தமிழ் மொழி விழா	Anjal Thoegai

Fonts and Styles

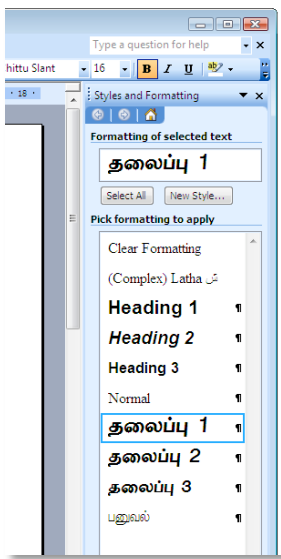
Murasu Anjal fonts can be used in any document that supports Unicode text. They can be selected and applied in the same way as English or other language fonts.

For better type style management in a document, especially to maintain consistency, it may be better to define the styles before hand.

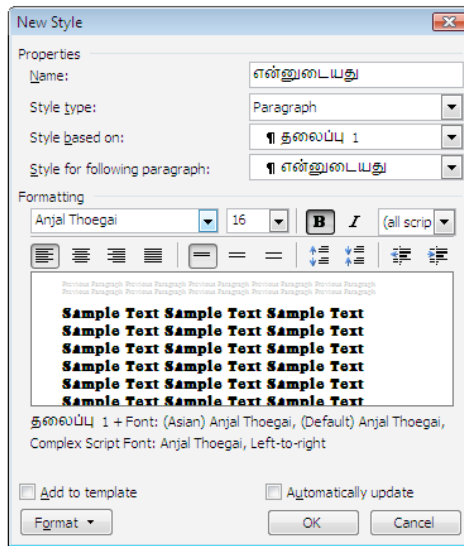
Microsoft Word has predefined styles for Latin text. These predefined styles will pick the default Tamil font in the system when they are applied to Tamil text. This may not be desirable.

Murasu Anjal includes a Word template that has styles defined based on Anjal fonts. The template, called AnjalTamil.dot, is saved in the installation folder (typically C:\Program Files\Murasu Systems\Anjal10\AnjalTamil.dot)

When you open this template, AnjalTamil.dot, you will see the following styles added:



Styles Panel



Dialog box to define your own style

Defining your own styles

Similar to Anjal's styles, you can define your own styles in Word.

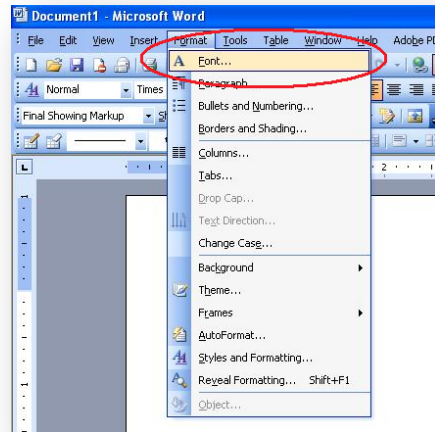
1. Click on the New Style button on the styles panel (picture above).
2. Give your style a name
3. Select the font desired
4. Ensure that the font is applied to **all scripts**

You will then see the style in the panel.

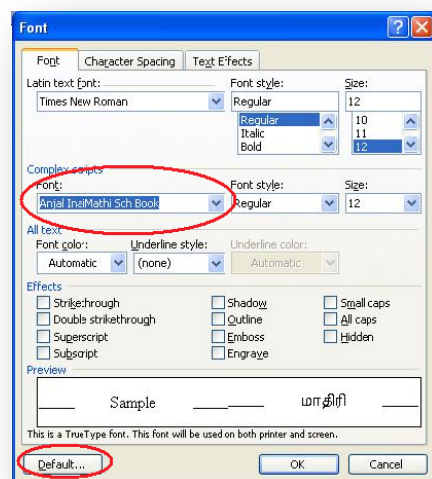
Setting Anjal InaiMathi Schoolbook as the default Font

You can setup Word to use a default font of your choice. The following steps show how you can make Anjal InaiMathi Schoolbook as the default font in Word:

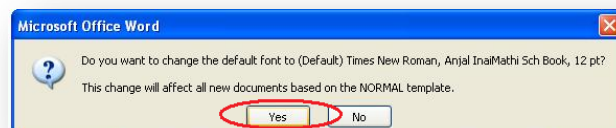
1. Open Word and select the Fonts menu item (Format -> Fonts)



2. Select Anjal InaiMathi Schoolbook as the font in the Complex Scripts section and click on the "Default" button

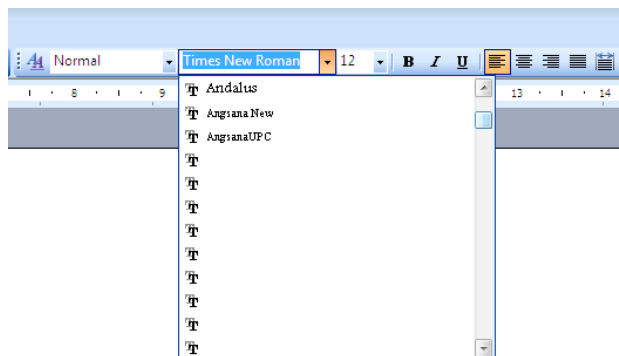


3. When prompted to make this the default, click Yes



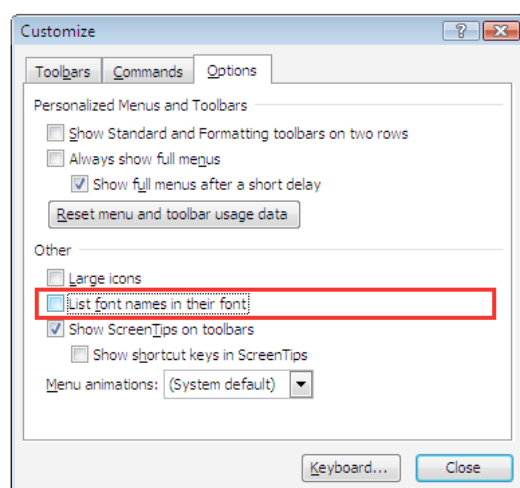
Listing Font Names in their Fonts

In some installations, Anjal font names may show up as blanks in the font's menu in MS Word. This is not normally the case and only appears in MS Word running on some configurations of Windows Xp systems. An example of the problem is shown below:



If you experience this problem, you can turn-off display of fonts names in their own fonts.

Select Tools->Customize->Options to see the following dialog:



Uncheck the option “List font names in their font”. All font names, including Anjal font names, will appear in the system font in MS Word’s menus.

Converting legacy text in MS Office

Before the adoption of Unicode, particularly its general availability in computer operating systems, users have been creating documents in many different encoding formats, such as TSCII, TAB, TAM, Murasu-6 and others.

These documents may not be usable in modern and future operating systems, as Unicode is becoming the standard for all writing systems of the world.

Murasu Anjal 10, however, is aware of the formats of most of these old documents and includes features that convert them into Unicode.

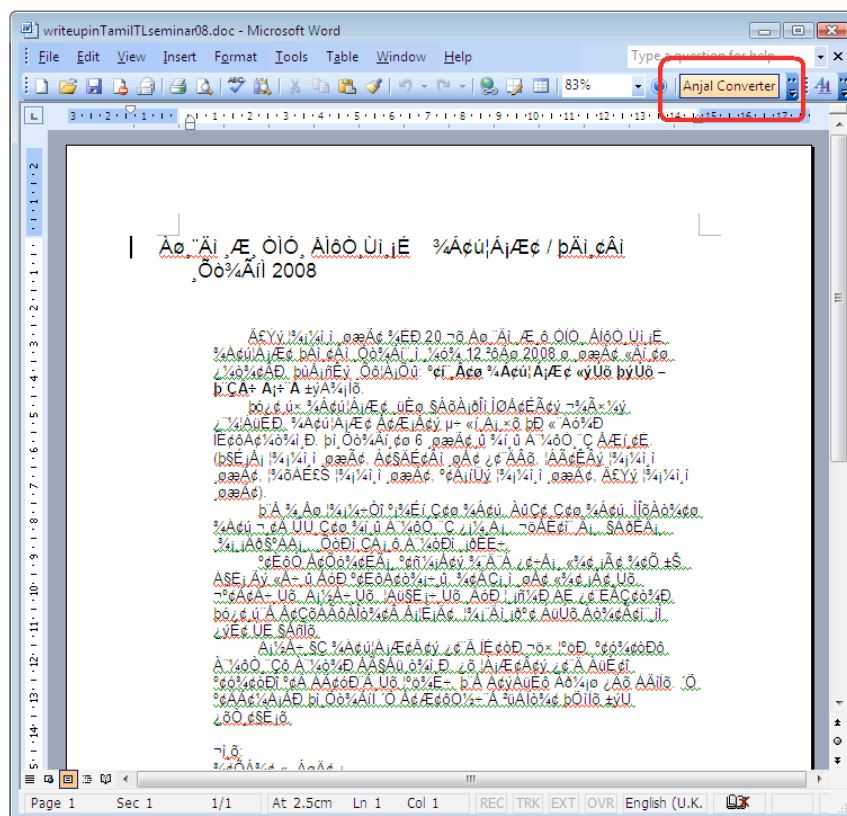
There are two converters in Murasu Anjal 10.

1. Anjal Converter: This is an embedded converter that is installed as an **Add-In** to Microsoft Office.
2. File Converter: This converts TXT and HTML files. File converter will be covered in the next section.

Anjal Converter

To convert a old document in MS Word, PowerPoint or Excel is very simple. Open the document and click the “Anjal Converter” button that is install in the toolbar.

The picture below shows Anjal Converter in MS Word.



The text appears gibberish because the original font used in this document is not available in the system. In addition, no other Unicode font will help render the text, as it is not in Unicode.

To convert the entire document to Unicode, you just need to click the “Anjal Converter” button once. The button is placed in Word’s toolbar (highlighted in the picture above).

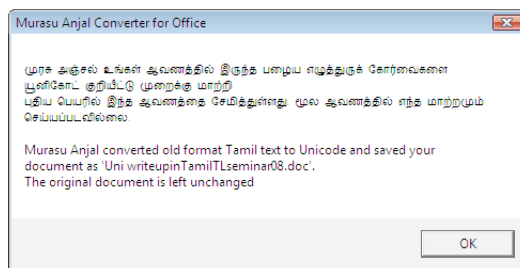
Anjal converter will then convert the document, scanning every character in it. For this reason, converting Word documents may take a longer time compared to PowerPoint or simple Excel Workbooks because of the volume of characters in the document.

Once the conversion is done, Anjal Converter will

1. Save the converted document as a new file.
2. The new file name will be based on the original filename, with “Uni” pre-pended to it. For example, if your original file name is SAMPLE.DOC, the new file in Unicode will be named as UNI SAMPLE.DOC.
3. The original document will be left as it is with no changes made at all.

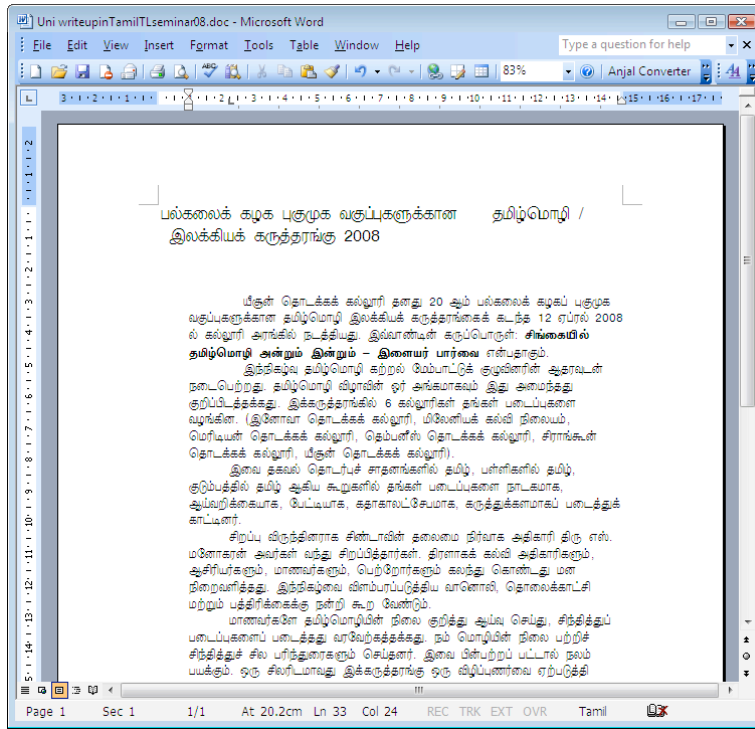
If there is already a file called SAMPLE.DOC (perhaps because of a previous conversion), the new file will then be called UNI SAMPLE 1.DOC. The number will be incremented every time conversion is done on the same document.

A dialog box will appear at the end of the conversion as below:



Note that the dialog includes the new file name in the message.

The converted document will be in Unicode and the font will be set to Anjal InaiMathi by default. The typeface variations such as bold, italics, underline and even Word Art graphics will remain as they are with the text replaced in Unicode.

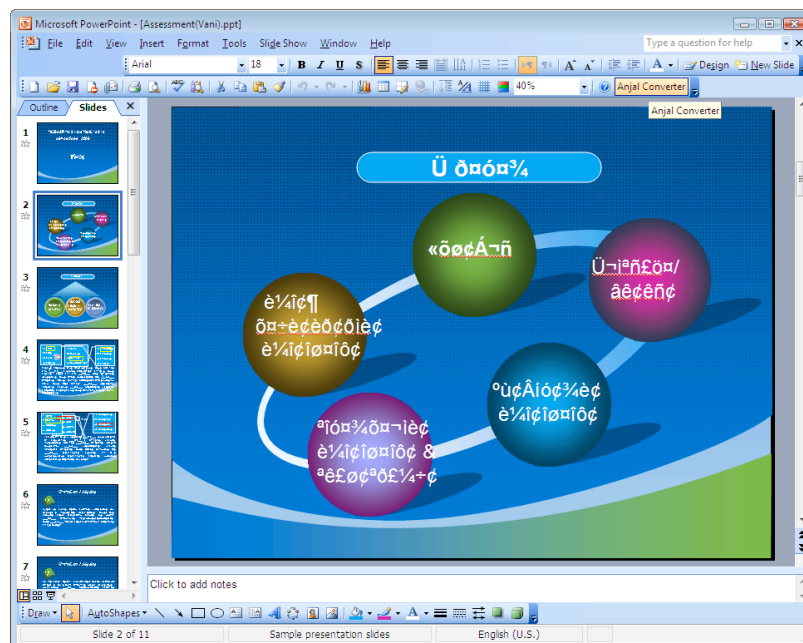


Picture shows Word document after conversion to Unicode. Note that the default font is set to Anjal InaiMathi. You may replace the font used in the converted text with any other Unicode compliant Tamil font.

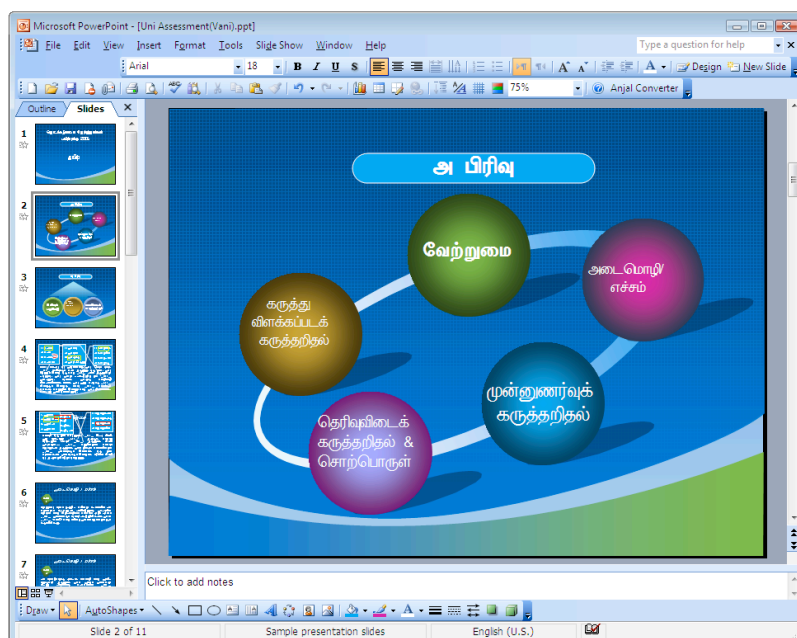
PowerPoint and Excel

Similar to Word, PowerPoint and Excel will include the Anjal Converter button in the tool bar. Click on this button to convert every slide in PowerPoint presentations or every Worksheet in Excel Workbooks.

Picture below shows examples:



Original PPT document before conversion



After conversion: Every slide in the presentation gets converted.

S/N	Word (U)	Frequency	Remarks
1	அ	40	
2	ஆ	33	
3	இ	27	
4	ஊ	24	
5	ஓ	23	
6	ஐ	13	
7	ஓ	12	
8	ஓ	9	
9	ஓ	8	
10	ஓ	8	
11	ஓ	7	
12	ஓ	7	
13	ஓ	7	
14	ஓ	6	
15	ஓ	6	
16	ஓ	5	
17	ஓ	5	
18	ஓ	5	
19	ஓ	5	
20	ஓ	5	
21	ஓ	5	
22	ஓ	5	
23	ஓ	4	
24	ஓ	4	
25	ஓ	4	
26	ஓ	4	
27	ஓ	4	

Excel Workbook before conversion

S/N	Word (அ)	Frequency	Remarks
1	அ	40	
2	ஆ	33	
3	இ	27	
4	ஊ	24	
5	ஓ	23	
6	ஐ	13	
7	ஓ	12	
8	ஓ	9	
9	ஓ	8	
10	ஓ	8	
11	ஓ	7	
12	ஓ	7	
13	ஓ	7	
14	ஓ	6	
15	ஓ	6	
16	ஓ	5	
17	ஓ	5	
18	ஓ	5	
19	ஓ	5	
20	ஓ	5	
21	ஓ	5	
22	ஓ	5	
23	ஓ	5	
24	ஓ	5	
25	ஓ	5	
26	ஓ	5	
27	ஓ	4	

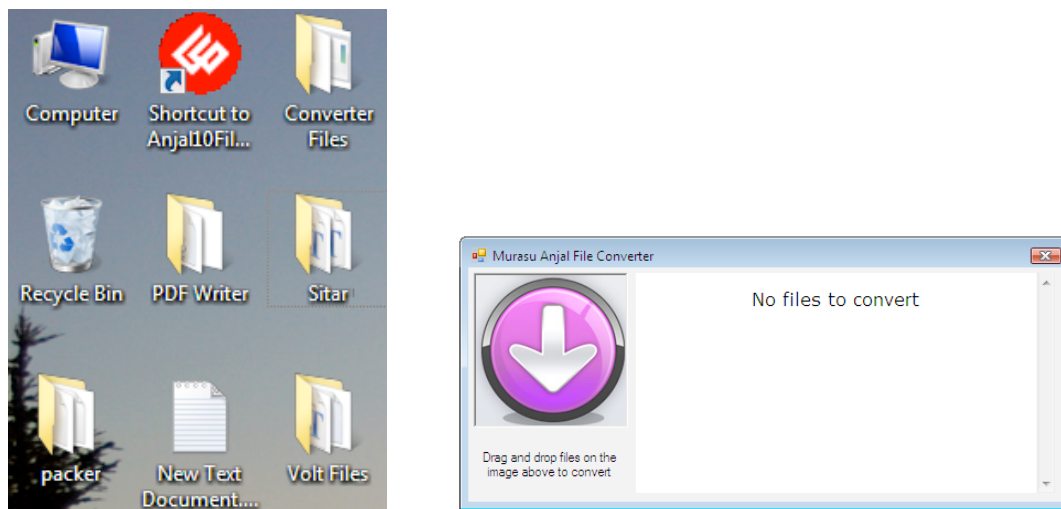
Excel Workbook after conversion. Every worksheet in the workbook gets converted

File Converter

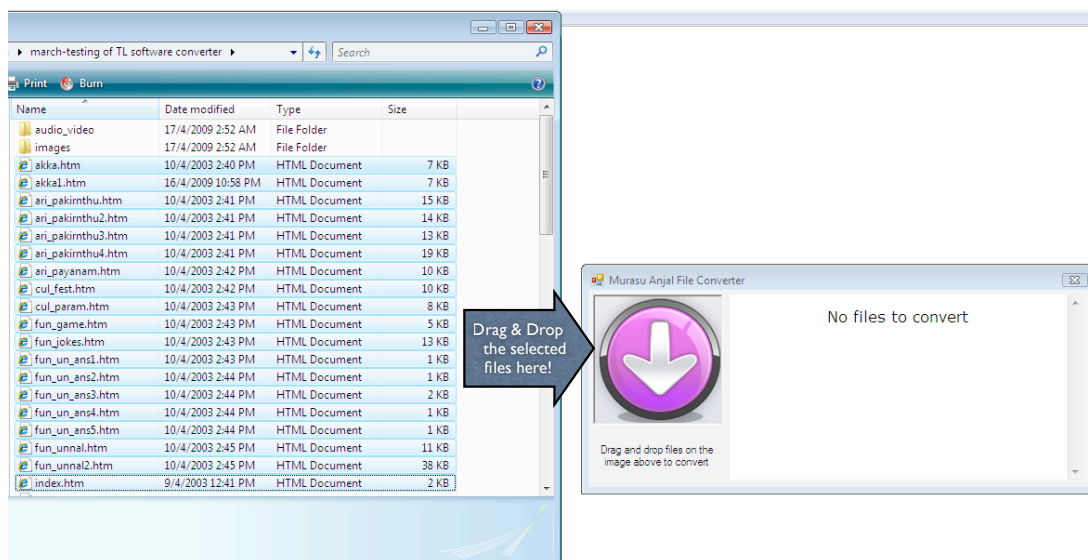
Legacy Tamil text, i.e. text in old encoding formats, is also widely used in HTML documents and scripts that are saved as plain text files. These files do not carry extensive formatting information that Word, PowerPoint or Office documents carry.

To convert these plain text documents, Murasu Anjal includes a File Converter tool. This tool lets you convert many documents in one go.

Start the file converter by clicking on the desktop short cut.

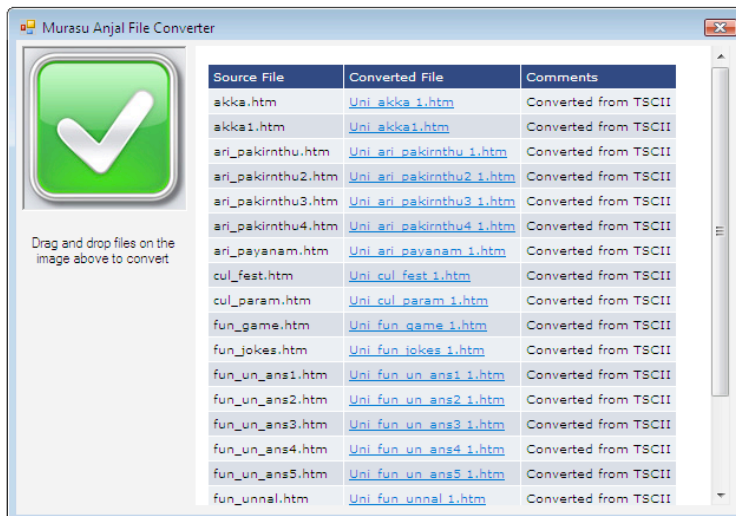


Select all the files you want to convert, drag them and drop them on the purple arrow to start the conversion process.



File converter will sequentially convert the dropped documents to Unicode. In the case of HTML documents, it'll look for tags as well and change fonts of known format to "InaiMathi".

As with Anjal Converter in Office, the File converter will also save the converted files with a different name (with a “Uni_” prefix).



The screenshot shows the 'Murasu Anjal File Converter' window. On the left, there is a green checkmark icon and a text box that says 'Drag and drop files on the image above to convert'. On the right, there is a table with three columns: 'Source File', 'Converted File', and 'Comments'. The table lists 18 files, each converted from TSCII to Unicode. The converted filenames all start with 'Uni_'.

Source File	Converted File	Comments
akka.htm	Uni_akka_1.htm	Converted from TSCII
akka1.htm	Uni_akka1.htm	Converted from TSCII
ari_pakirnthu.htm	Uni_ari_pakirnthu_1.htm	Converted from TSCII
ari_pakirnthu2.htm	Uni_ari_pakirnthu2_1.htm	Converted from TSCII
ari_pakirnthu3.htm	Uni_ari_pakirnthu3_1.htm	Converted from TSCII
ari_pakirnthu4.htm	Uni_ari_pakirnthu4_1.htm	Converted from TSCII
ari_payanam.htm	Uni_ari_payanam_1.htm	Converted from TSCII
cul_fest.htm	Uni_cul_fest_1.htm	Converted from TSCII
cul_param.htm	Uni_cul_param_1.htm	Converted from TSCII
fun_game.htm	Uni_fun_game_1.htm	Converted from TSCII
fun_jokes.htm	Uni_fun_jokes_1.htm	Converted from TSCII
fun_un_ans1.htm	Uni_fun_un_ans1_1.htm	Converted from TSCII
fun_un_ans2.htm	Uni_fun_un_ans2_1.htm	Converted from TSCII
fun_un_ans3.htm	Uni_fun_un_ans3_1.htm	Converted from TSCII
fun_un_ans4.htm	Uni_fun_un_ans4_1.htm	Converted from TSCII
fun_un_ans5.htm	Uni_fun_un_ans5_1.htm	Converted from TSCII
fun_unnal.htm	Uni_fun_unnal_1.htm	Converted from TSCII

Picture above shows the results of the conversion process. Note that details of each file are listed: its original name, the converted filename and the source encoding in the comments column.

The converted files are presented as links. You can just click on those links to open the files.

It's important to note that the converter attempts to 'detect' the encoding based on some predefined, internal rules. When the volume of text in the document is low, or if the text is in some unknown archaic encoding, the results can be unpredictable.

Texts that are in TSCII, TAB and Anjal stand a better chance of accurate detection.

Important note on using converters

Both the Anjal Converter and File Converter included in Anjal is to help you convert legacy documents to Unicode.

It is not designed to be a permanent tool that allows documents to be created in old formats.

Technology changes and newer standards in document formatting may introduce features that the converters may not understand.

For this reason, it is best for you to convert all your old documents to Unicode as quickly as possible and discontinue using old formats. Create all your new documents directly in Unicode to stay with changing times.

Important note: The converter can only convert from what is available in the original document. It will not fix errors. In areas where it cannot convert a region of text, particularly in PowerPoint documents, the converter will include a note in the slide with suggestions on how the text can get converted manually.

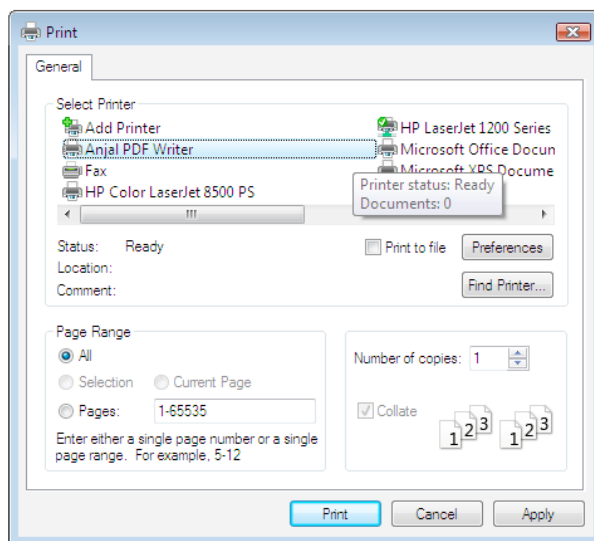
Anjal PDF Writer

PDF, abbreviation for Portable Document Format, allows you to distribute your documents with the same formatting, as it would appear in print. This allows your recipients to view your documents without having to install the application you used to create the document. PDF also makes it possible to distribute your document as “read-only”.

Anjal PDF Writer is installed as a virtual printer in your system. This allows you to create PDF documents from any application that supports printing. All you need to do is to print the document to Anjal PDF Writer and give your document a filename.

Creating PDF files

To use your PDF Writer, open the file that you would like to print to PDF. Select the Print option (usually found under File > Print), and select "Anjal PDF Writer" from the list of available printers. You will be prompted to select the destination directory and filename for your output file.



Please note that some applications, such as NotePad, will automatically print to your default printer when you select the Print option. If you want to print to PDF Writer, you may need to change your printer selection within that application before printing the file. This can typically be done from Page Setup.

Anjal.Net : Murasu Anjal Community Portal

Anjal.Net (<http://anjal.net>) is a community Web portal for Murasu Anjal worldwide.

The Website hosts articles, discussion forums, blogs and other content that are published or updated from time to time.

This will be a great place for you to learn how to use the various features of Anjal and apply them in your work. You may exchange ideas with other users from around the world or even create your own forum to discuss ideas specific to the work you do.

The Website will also carry information on updates and upgrades to Murasu Anjal software.

Registration is required to access the forums and it's free. You may register at the portal and create your own login account.

The Website is optimized for the following browsers:

1. Internet Explorer 7.0 or later
2. Firefox 3.0 or later
3. Opera browser
4. Safari 3.0 or later

Uninstalling and Deactivating Anjal

Uninstalling Anjal

To un-install Anjal or Anjal PDF Writer, use the standard Windows uninstall feature.

1. Open Control Panel -> Add/Remove Programs
2. Double click on Murasu Anjal 10

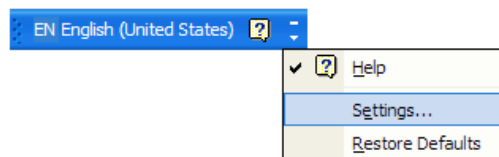
This will remove Anjal from your system.

To uninstall Anjal PDF writer, open Control Panel -> Add/Remove Programs and select Anjal PDF Writer.

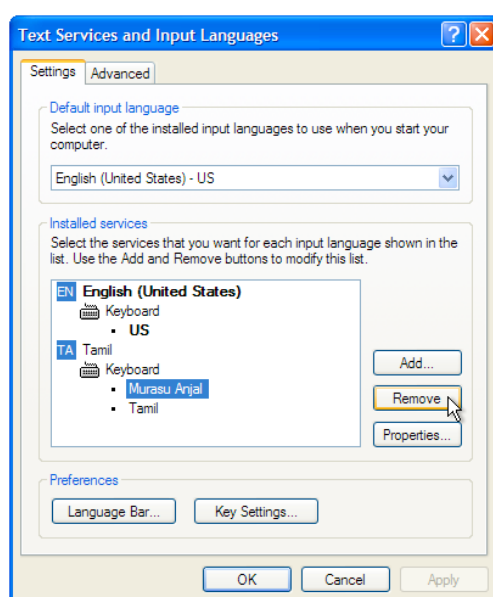
Deactivating Anjal

If you do not want to uninstall Anjal but just de-activate it, you can do so in the regional languages settings.

Open the settings window using the pull down menu in the language bar. Select Murasu Anjal and click the “Remove” button. This will deactivate Anjal text service but will not uninstall it from the system.



Use the pull-down menu in the language bar and select “Settings” to invoke the Text Services settings.



Select Murasu Anjal and click Remove to deactivate Anjal from the language bar.

Re-activating Anjal

To restore Anjal text service, click on the Add button, select Tamil as the input language and pick Murasu Anjal from the list of keyboards and input methods.

