MiKitrans for MiKTeX 2.6 and Itrans 5.3

MiKitrans is a small windows based program designed by:

Ashok Basargekar, P.E.

Retired Professional Civil Engineer,

1423 North Cleveland Street,

Orange, California 92867-3707

Email Address: *ashok_basargekar@yahoo.com*

PURPOSE:

MiKitrans operates on text files having extensions of following types:

```
1: .DN   Franc Velthuis type text files saved at:
     C:\LocalMiKTeX 2.6\doc\dn directory.
2: .IPS   Avinash Chopde type text files saved at:
     C:\LocalMiKTeX 2.6\doc\ips directory.
3: .ITX  Avinash Chopde type text files saved at:
     C:\LocalMiKTeX 2.6\doc\itx directory.
4: .TEX text files for LATEX operator saved at:
     C:\LocalMiKTeX 2.6\doc\latex directory.
5: .TEX text files for TEX operator saved at:
     C:\LocalMiKTeX 2.6\doc\tex directory.
6: .MPX mathsPIC type .m files saved at:
     C:\LocalMiKTeX 2.6\doc\MyPICS directory.
7: .TXT simple text files specially prepared for tex/latex saved at:
     C:\LocalMiKTeX 2.6\doc\txt directory.
```

Preparing document for MiKitrans

The best way to prepare your own files for these directories is to view the files saved in the above directories and learn the way in which the files are prepared and saved. Any text editor such as Microsoft EDIT, NOTEPAD, Itranslator2000 will do for this purpose.

Just go to any of the above sub directory in DOS Window START $\implies$ RUN $\implies$ cmd and ENTER and type:

show filename.ext

where filename is the desired file name and ext is the available extension in that directory.

Unfortunately show.exe does not work with filenames with more than eight characters. In such cases use notepad, edit or other editors which can open such long name files and handle files having long names.

LIST BOXES

MiKitrans has two list boxes. The first one is **ACTION** list box. It lists available actions. There are following actions you can take.

ACTION LIST BOX

1. **SHOW_ DN** to see *filename.dn* type files

2. **SHOW_ IPS** to see *filename.ips* type files
3. **SHOW_ ITX** to see *filename.itx* type files
4. **SHOW_ LATEX** to see *filename.tex* type files
5. **SHOW_ TEX** to see *filename.tex* files
6. **SHOW_ MyPICS** to see *filename.pix* type files
7. **SHOW_ TXT** to see *filename.txt* type files
8. **TXT2HTML** to convert *filename.txt* to *filename.html* or *filename.doc*
9. **TXT2BENGALI** to convert *filename.txt* to Bengali html or word document
10. **TXT2GUJ** to convert *filename.txt* to Gujarathi html or word document
11. **TXT2ROMAN** to convert *filename.txt* to Roman csx html or word document
12. **TXT2TAMIL** to convert *filename.txt* to Tamil html or word document

FILE LIST BOX

The second is the File list box. It lists the names of the files on which the selected **ACTION** from the **ACTION** list box can be taken. Highlight and select any one of the **ACTIONs** first to see which **FILES** are available for that **ACTION**.

Select any one of the files by highlighting it and click. When you click on **RUN**, the desired **ACTION** will be taken on your selected **FILE** and you will come to a DOS window showing the available viewers for the files. Simply select one of the viewers to see your file.

PLEASE NOTE that on some .DN files, the processor will stop and will inform you that there is some problem such as: "Undefined Control Sequence" and stop for your input. Simply type "r" and hit **ENTER** to continue with **NON STOP MODE**. This will allow the processor to try **LATEX** first, and if unsucessful, to try **TEX** processor.

FILE VIEWERS

There five types of viewers available for you to view the selected file.

1. **Ghostview (gsview32)**
2. **Acrobat Reader (Adobe)**
3. **YAP (MiKTeX 2.6 viewer)**
4. **Netscape or Internet Explorer to view html**
5. **Word for Windows to view converted** *filename.txt*

MiKitrans uses a bat file mikview.bat to invoke any of the above listed viewers and use their **STANDARD PATHS**. You may have to edit the mikview.bat file if you are not using the standard paths and save the file with your own special paths.

MiKitrans Operation

When you click on RUN, the desired action will be taken on your selected file and you will come to a DOS window showing the available viewers for the files. Simply select one of the viewers to see your file.

PLEASE NOTE that on some .DN files, the processor will stop and will inform you that there is some problem such as: Undefined Control Sequence, and prompt you to enter something with a question mark. Simply type "r" and hit **ENTER** to continue with **NON STOP MODE**. This will allow the processor to try LATEX first, and if unsuccessful, to try TEX processor.

MiKitrans first copies your selected file for action in the directory c:\tmp as out.ext where ext is the extension of the file selected. out.tex, out.dvi, out.log, out.ps, out.pdf etc. are the output filenames. The files will be overwritten again and again every time you run MiKitrans. When you are happy with the output file, you should rename the file to different name and save it somewhere else for further use. Each of the available viewers have feature to save the output as any other name.

MiKitrans uses a bat file mikview.bat to invoke the Ghostview, Acrobat Reader or the YAP viewer available at their standard **PATHS**. You may have to **EDIT** the mikview.bat file if you are not using the standard paths and save the file with your own special paths.

Deleting Table of Content (TOC)

If you are having a TOC (Table Of Contents) for your TEX/LATEX documents, you will have to click on "Delete Table of Contents" key of MiKitrans to clear any previously saved TOC file in c:\tmp directory. The MiKitrans will create a new TOC file for you. This requires running the MiKitrans ACTION twice on your file. The second time you will see your table of contents.

FILENAME.TXT

Please note that the txt files saved in c:\LocalMiKTeX 2.6 \doc\txt directory are special text files for MiKitrans which always start with Itrans for Devanagari script with two column output. If you do not want Devanagari output you must put ## before you begin the document. If you do not want two column output you must also place the directive \onecolumn before start.
If you are using Devanagari script for your document, you must end the document with ## before you save your document. You can use the switch ## to switch between Itrans for Devanagari and English script but at the end you must end in English.

MiKitrans Installation

THIS INSTALLATION IS FOR WINDOWS XP AND HAS NOT BEEN TESTED ON ANY OTHER SYSTEMS.

First of all, MiKTeX 2.6 has to be previously installed on your system.
MiKTeX 2.6 is installed at C:\Program Files\MiKTeX 2.6 directory.
MiKMod.zip is a self extracting zip file which must be installed at the root c drive.
This will allow following additions to MiKTeX 2.6

1. Installation of modified Itrans 5.3 package at C:\itrans53 directory.
2. Addition of C:\LocalMiKTeX 2.6 directory .
3. Additions of MiKitrans.exe, MiKView.bat, show.com, devnag.exe, mathspic.exe, get.com, color.com and clean.com to the bin sub-directory of MiKTeX 2.6
4. Change Documents and Settings\All Users.WINDOWS\Start Menu \Programs\MiKTeX 2.6 folder to add MiKitrans and additional Latex help links. IF you don't have the links at above location, move the links to the place where you have your links for MiKTeX 2.6

Once the modifications are installed, you will need to go to:

START $\Longrightarrow$ PROGRAMS $\Longrightarrow$ MiKTeX 2.6 $\Longrightarrow$ SETTINGS and add: C:\LocalMiKTeX 2.6 and C:\itrans53\lib to the roots, Update Formats and Refresh FNDB

This will complete the additions of MiKitrans to your system.

There are some files in this package to test MiKitrans. Try them, examine them and have fun with it. The old devnac files of the Itrans package cannot be processed with MiKTeX 2.6 for some reason but have no problems with MiKTeX 2.3 package.

नमस्ते। और खुष रहो।