## BARAHA

Creating Documents in Hindi, Gujarati and Telugu

VIDYALAYA, INC.

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# Workshop Agenda

- Importance of learning and using typing software for Vidyalaya teachers.
- Review the installation process for Baraha
- Baraha program and its components
- Create a sample test/quiz and a worksheet using Baraha
- Other tools available for typing in Indian languages.

# Installation

- Please go to this link <u>http://www.vidyalaya.us/shiksha/baraha9.exe</u>
- Follow the instructions below to enable Indian languages in Windows XP. (<u>Instructions for other versions of</u> <u>Windows operating systems</u> may slightly vary.)
- From the Control Panel start the Regional and Language
   Options applet. Select Install files for complex script and
   right-to-left languages (including Thai) option. Click OK
   button to apply the changes.

# Installation



### Technical Point – ANSI Vs. UNICODE

#### ANSI Text:

The Indian language text that uses Baraha Fonts such as BRH Kannada, BRH Devanagari, so on...

#### **UNICODE** Text:

The Indian language text that uses Unicode fonts such as Tunga, Mangal, so on..

 Baraha allows both, although for web-related and email usage UNICODE is the standard.

# Baraha Programs

#### Baraha

 Main editor that shows both the Romanized and Indian languages on the same screen. Can be used to export into other program, e.g. Word, E-Mail, etc. using either UNICODE or ANSI fonts.

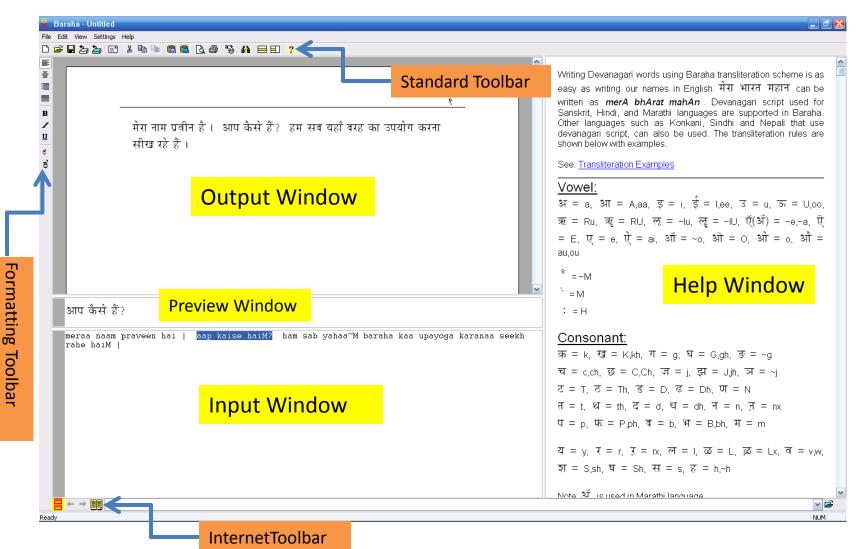
#### BarahaPad

 Unicode text editor for Indian languages. It has basic text editing features such as **Bold**, *Italic*, <u>Underline</u>, Font, Font Size, Text Color, Alignment, Bullets and Indentation.

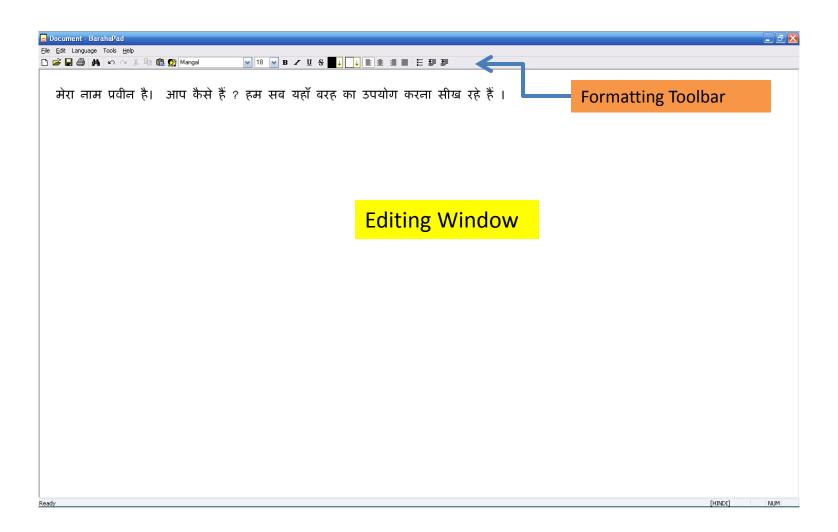
#### BarahaDirect

 It can be used to type Indian language text directly in applications such as MS Office, PageMaker, Internet Explorer, Notepad, so on... When BarahaDirect program is started, it shows as an icon in the system tray at the bottom-right portion of the screen.

# BARAHA (Main Editor)



# BarahaPad



# BarahaDirect

When BarahaDirect is started, it shows an icon in the system tray at the bottom-right portion of the screen.

#### To type Indian language text:

- Open the target application (say MS Word) language text.
- Baraha Direct

  EN 
  EN 
  5:21 PM

  BarahaDirect icon in the system tray.
- In BarahaDirect, select the desired Indian language.
- Select the appropriate fonts in the target application.
- Start typing.

#### **To type English text:**

- Choose Language-->English menu command by clicking on system tray icon.
- Select the English font in the target application.
- Continue typing.

Note: You may press **F11** (or **F12**) key anytime to switch between Indian language and English.

# Sample Worksheet

Hindi and Gujarati alphabets:

म	स	क	ਕ	त	श	थ	र	द	व	ज	ह्ट
મ	સ	ક	લ	ત	શ	થ	ર	3	વ	8	ŵ

Hindi word:		Gujarati word:		
दादा	grandfather	દાદા	grandfather	
बाल	hair	વાળ	hair	
विमान	airplane	વિમાન	airplane	
पानी	water	પાણી	water	
बिल्ली	cat	બિલાડી	cat	
जंगल	jungle	જંગલ	jungle	
पूजा	religious ceremony	પૂજા	religious ceremony	
पूंछ	tail	પુછડી	tail	
गोल	circle	ગોળ	circle	
कौआ	crow	સૌ	all	
प्रार्थना	prayer	પ્રાર્થના	prayer	

Hindi sentences:	Gujarati sentences:		
बच्चा रो रहा है!	બાળક રડે છે.		
अपने जूते उतारो!	તમારા ચંપલ કાઢો.		
तुम्हारे पास चाबी है?	તમારી પાસે ચાવી છે?		
मैंने अपनी घडी खो दी!	મારુ ઘડિયાળ ખોવાઈ ગયું.		

# Non-Typical Transliterations Hindi

- 왂 kSh · · · · ·
- ज्ञ i~i ण N
- ॐ oum इ Dx
- श sh ढ़ Dhx
- ष Sh फ phx
- न् n^^ ज़ jx

# Printing / Output

- Can print from BarahaPad, Microsoft Word to a printer directly
- Print to a PDF file using freeware pdf converter utilities (i.e. pdf995). Make sure to embed fonts in the Word document for easy sharing of pdf files.
- For web publishing or embedding fonts in email must use UNICODE fonts

# Other Transliteration Tools

- Google
- Itrans (has a large database of Hindi songs, bhajans, scriptures)
- Google Translate (translate.google.com)