Custom Mapping

- Go to Installation Location of Lipi Lekhika. And the open the file "resources/dattAMsh.json".
- Set value of "prayog" from 0 to 1.
- Now whatever Changes you make in this file will decide the key Mappings of the Application.
- You Can use this feature to have your own custom bindings. But if there is any error in the file then Lipi Lekhika will ignore this go by its default mapping.

Understanding the Mapping Technique: -

```
"a": {
    "a": ["अ", "", "aiu", 0],
    "aa": ["आ", "ा", "", 0],
    "ai": ["ऐ", "ै", "I", 0],
    "aiI": ["ऍ", "ॅ", "", 0],
    "au": ["औ", "ौ", "U", 0],
    "auU": ["ऑ", "ॉ", "", 0]
},
```

```
"k": {
    "k": ["क", "hz", 1],
    "kh": ["ख", "z", 1],
    "kz": ["क़", "", 1],
    "khz": ["ख़", "", 1]
},
```

```
"M": {
    "M": ["ं", "M1", 2],
    "MM": ["ँ", "", 2],
    "M1": ["ँ", "", 2]
},
"H": {
    "H": ["ः", "", 2]
},
```

```
"t": {
    "t": ["ட", "h1", 1],
    "th": ["ட²", "1", 3],
    "t1": ["ட", "", 1],
    "th1": ["ட²", "", 3]
},
```

As you see above that there are three types of values with last numbers(id) as 0,1,2,3.

- 0 indicates a vowel in which it is in the format **["vowel", "vowel sign", "next chars.", 0]**. Here the next chars is that what could come after it. For example, if we have "A":["आ", "ा", "QWRT",0], here the next possible would be AQ, AW, AR, AT.
- 1 indicates that the value inside is consonant and can be combined with halant(or virama). The Format is **["consonant", "next chars.", 1].**
- 2 indicates that the character has no special characteristics and is just normally used.'
- 3 indicates a special type of group in which the last character of the value is preserved even after vowel sign addition. Its characteristics are same as that of group 1. It could only be found in **Tamil Extended**.

Note On Additional Scripts

• The Additional Scripts namely **Brahmi, Sharada, Modi, Siddham and Granth**, might not be supported properly.

• To display These Scripts Properly Use These Fonts.

Sharada - Noto Sans Sharada

Modi - Noto Sans Modi

Siddham - Noto Sans Siddham

Granth - Noto Sans Granth

Brahmi - Noto Sans Brahmi

• If you have problems typing these scripts in any application then Type them in notepad and then copy.

• The Fonts for these scripts would have been installed if you used a setup a Lipi Lekhika, but if you are using portable version then you could get the fonts in "resources/fonts" folder of the Installation.

• Use the Font "Agastya Sans" to display Tamil Extended using Malayalam Data.

• So you could type something in Malayalam and then set the Font to Agastya Sans so as to display it in Tamil-Extended.

This is an Open Source MIT Licenced Application.

Source Code : https://api.lipilekhika.com/source