Dhwani

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English to Indic language phonetic conversion engine. Read more about the project here.

CHAPTER 1

Installation

Dhwani is currently not stable. However, the developmental release is avalibale at PyPI.

1.1 Installing from PyPI

```
$ pip install dhwani
```

1.2 Installing from sources

```
$ git clone https://github.com/ndyashas/Dhwani.git
$ cd Dhwani
$ pip install -r requirements.txt
$ pip install -e .
```

CHAPTER 2

Core API

Most of the core functionality of *Dhwani* can be levraged through an object of the `Converter` class.

2.1 `Converter` class

class `dhwani.core.converter.`**`Converter`**(*src_lang_code: str*, *dest_lang_code: str*)

Bases: `object`

The `dhwani.Converter` (implementation at *`dhwani.core.converter.Converter`*) class is the main entry point for Dhwani. You can make an object of this class and configure it to perform phonetic conversion from one language to another.

Parameters

- **`src_lang_code`** (*`str`*) – ISO 639-3 code of the source language.
- **`dest_lang_code`** (*`str`*) – ISO 639-3 code of the destination language.

`convert`(*src_text: str*) → str

Converts the full source text from source language to destination language.

Parameters **`src_text`** (*`str`*) – The text in `src_lang_code` language to be converted

Returns The text in `dest_lang_code` language converted from `src_lang_code`

Return type str

CHAPTER 3

Examples

3.1 Convert from English to Kannada

```
# Import the main converter class
from dhwani import Converter

# Make  a converter object. The first argument is the
# ISO 639-3 code of the source language, and the second
# argument is the ISO 639-3 code of the destination language.
converter = Converter('eng', 'kan')

src_string = "kannaDa"

# Use the 'convert' method of converter object to get the converter
# string back.
dest_string = converter.convert(src_string)

# Print the result
# Note that the display for standard output needs to support the unicode
# characters.
print(dest_string)
```

CHAPTER 4

Indices and tables

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