

A general Dictionary distribution framework

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Abstract

Dictionaries are the constant companions of scholars and students, and there are lot of them (some being continuously updated). They are often consumed offline, on a variety of devices including one's phone. We describe a general dictionary distribution framework which serves hundreds of such dictionaries to a sizable user community.

1 Motivation

Today's scholars and students frequently want to refer dictionaries on electronic devices ranging from desktop computers to phones and voice-AI devices like Alexa. Dictionaries of interest may be large in number and size. For example, there are hundreds of dictionaries of interest to Indological scholars across a variety of languages and topics. Furthermore, some of these dictionaries are constantly being updated. This being the case, it becomes problematic to curate, distribute and update such dictionaries for the convenience of both creators and users. We present an open source and extensible system to address this problem. Some of its features are listed below.

- For creators
- For readers

2 Future work

References

Figure 1: Screenshot from GoldenDict

The screenshot displays the GoldenDict application interface. The top bar shows the browser address bar with the URL 'vishvasa.github.io/kal...'. Below the address bar, there is a search bar with the text 'Title Search' and a dropdown menu. The main content area is divided into two sections: a left sidebar and a right main panel. The left sidebar contains a 'Menu' section with various links, including 'कल्पान्तरे विश्वासटिप्पन्यः ०१ ऋषिप्रश्नः', 'Articles', 'kANe HoD', 'shri-rangapriya on festivals', 'कामसूत्रम्', 'कृत्य-कल्प-तरुः', 'धर्मरत्नः', 'धर्मसिन्धुः', 'प्रस्थानभेदः', 'सरस्वतीविलासः', 'स्मृतिः', '+ स्मृतिः', 'बृपस्पतिः', 'मनुः', '+ मनुः', 'test', 'कुल्लुकः', 'भारुचिः', 'मेधातिथिः', 'सर्व-प्रस्तुतिः', '+ सर्व-प्रस्तुतिः', '०१ प्रवेशः', '+ ०१ प्रवेशः', '०१ ऋषिप्रश्नः', and '०२ लोकोत्पत्तिः'. The right main panel displays the search results for '०१ ऋषिप्रश्नः'. It includes a 'Transliteration' section with the text 'What's in this page?' and a search bar. Below this, there is a list of search results, each with a title, a description, and a 'Suggest Edits' button. The first result is '001 मनुम् एकाग्रम्' with the description 'मनुम् एकाग्रम् आसीनम् अभिगम्य महर्षयः । प्रतिपूज्य यथान्यायम् इदं वचनम् अब्रुवन् ॥ १.१ ॥'. The second result is 'गङ्गानथ-मूलानुवादः'. The third result is 'मेधातिथिः'. The fourth result is 'गङ्गानथ-भाष्यानुवादः'. The fifth result is 'गङ्गानथ-टिप्पन्यः'. Red arrows point to the search bar, the 'Transliteration' section, the first search result, and the 'Suggest Edits' button.

Search results for ०१ ऋषिप्रश्नः:

- 001 मनुम् एकाग्रम्
मनुम् एकाग्रम् आसीनम्
अभिगम्य महर्षयः ।
प्रतिपूज्य यथान्यायम्
इदं वचनम् अब्रुवन् ॥ १.१ ॥
- गङ्गानथ-मूलानुवादः
- मेधातिथिः
- गङ्गानथ-भाष्यानुवादः
- गङ्गानथ-टिप्पन्यः