**APIs available on Samsaadhanii website:**

**A) Noun Form Generator**

*Usage:*

<http://sanskrit.uohyd.ac.in/cgi-bin/scl/skt_gen/noun/noun_gen.cgi?rt=rAma&gen=puM&jAwi=nA&level=1&mode=json&encoding=WX&outencoding=Unicode>

*Parameters and their values:*

* rt: praatipadikam (to be given in the chosen encoding; list of available encodings is given below)
* gen: napuM, puM, swrI, a (a is used only for अस्मद् and युष्मद् )
* jawi: nA, sarva, saMKyeyam, saMkyA, pUraNam
* level: 1
* mode: json
* encoding: WX, SLP, VH, KH, IAST, Unicode, Itrans
* outencoding: Unicode, IAST

**B) Verb form generator**

*Usage:*

<https://sanskrit.uohyd.ac.in/cgi-bin/scl/skt_gen/verb/verb_gen.cgi?vb=gam1_gamLz_BvAxiH_gawO&prayoga_paxI=karwari-parasmEpaxI&upasarga=-&encoding=WX&outencoding=Devanagari&mode=json>

*Parameters and their values:*

* vb: list is available in scl/js\_files/verb\_gen.js
* prayoga\_paxI:karwari-AwmanepaxI/karwari-parasmEpaxI/karmaNi/Nickarwari-AwmanepaxI/Nickarwari-parasmEpaxI
* upasarga: -/pra/ni/Af/ava/apa/…
* encoding: WX, SLP, VH, KH, IAST, Unicode, Itrans
* outencoding: Unicode, IAST
* mode: json

**C) Kṛt form generator**

*Usage:*

<https://sanskrit.uohyd.ac.in/cgi-bin/scl/skt_gen/kqw/kqw_gen.cgi?vb=gam1_gamLz_BvAxiH_gawO&upasarga=-&encoding=WX&outencoding=Devanagari&mode=json>

*Parameters and their values:*

* vb: list is available in scl/js\_files/verb\_gen.js. (on the GitHub repository)
* upasarga:-,pra,ni,Af,ava,apa,…
* encoding: WX, SLP, VH, KH, IAST, Unicode, Itrans
* outencoding: Unicode, IAST
* mode: json

**D) Sandhi (Joining words)**

*Usage:*

<http://sanskrit.uohyd.ac.in/cgi-bin/scl/sandhi/sandhi_json.cgi?word1=rAmaH&word2=AlayaH&encoding=WX&outencoding=Unicode>

*Parameters and their values:*

* word1 and word2 are the words of which sandhi is expected. These are to be given in the encoding same as the value of the variable encoding.
* encoding: WX, SLP, VH, KH, IAST, Unicode, Itrans
* outencoding: Unicode, IAST

**E) Sandhi Splitter**

*Usage:*

<https://sanskrit.uohyd.ac.in/cgi-bin/scl/MT/prog/sandhi_splitter/sandhi_splitter.cgi?word=rAmAlayaH&encoding=WX&outencoding=D&mode=word&disp_mode=json>

*Parameters and their values:*

* Word: a string that needs to be split
* encoding: WX, SLP, VH, KH, IAST, Unicode, Itrans
* outencoding: Unicode, IAST
* Mode: word/sent
* disp\_mode:json

Note: The Mode = word is to be selected, if you want to split just a single word, without any spaces.

**F) Anusaaraka**

Usage:

[https://sanskrit.uohyd.ac.in/cgi-bin/scl/MT/anusaaraka.cgi?encoding=WX&out\_encoding=Devanagari&splitter=None&parse=FULL&tlang=Hindi&text\_type=Sloka&compound\_analysis=YES&mode=json&text=rAmaH%20vanam%20gacCawi](https://sanskrit.uohyd.ac.in/cgi-bin/scl/MT/anusaaraka.cgi?encoding=WX&out_encoding=Devanagari&splitter=None&parse=FULL&tlang=Hindi&text_type=Sloka&compound_analysis=YES&mode=json&text=rAmaH%252520vanam%252520gacCawi)

Parameters and their values:

* encoding:WX, SLP, VH, KH, IAST, Unicode, Itrans
* out\_encoding:Devanagari, IAST
* Splitter:None/manual/best. (select None, if the input is already split)
* parse:FULL (always FULL)
* tlang:Hindi
* text\_type:Prose/Sloka/Vedic
* compound\_analysis=YES/NO
* mode:json

**G) Morph Analyser**

Usage:

<https://sanskrit.uohyd.ac.in/cgi-bin/scl/morph/morph.cgi?morfword=rAmaH&encoding=WX&outencoding=DEV&mode=json>

Parameters and their values:

* encoding:WX, SLP, VH, KH, IAST, Unicode, Itrans
* outencoding: IAST/DEV
* mode:json