# 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=rAm-AlayaH&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

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