

## CDAC-GISTYogeshN-OpenType

An OpenType Font is a digital font adhering to the OpenType specification. OpenType fonts provide the advanced typography features required for complex writing systems – such as Brahmi and Semitic language scripts. The OpenType specification enables support for ligatures, positional forms, alternates, and other substitutions. OpenType fonts also may include information that supports two-dimensional glyph positioning and glyph attachment. OpenType fonts are used in conjunction with a script processing library and the OpenType Library Services (OTLS). The OTLS is a set of text-processing helper functions. In the Windows Operating System, the Uniscribe and OLTS are part of the operating system libraries.

CDAC-GISTYogeshN-OpenType is an OpenType font for Devanagari script, developed by GIST Group of C-DAC. The languages written using the Devanagari script - Hindi, Konkani, Marathi, etc are supported by this font. The special features of the Devanagari script, namely the 'reph', 'rakar', 'akhands' (conjuncts), 'nukta', reordering and repositioning of characters, below-base forms, half forms are implemented in this font. The glyph set of this font have been optimized to get the best performance. This document enumerates the various features provided by this font.

क ः	क़
र ् क	कै
ष ् ट ् र	ष्ट्र
क ्ष	क्ष
ज ्ञ	ज्ञ
त ्र	त्र
ड ्र	ड्र
क ः ् क	क़क

क	्ष	क	क्षक
त	र	क	क्क
द	द		द्व
क	ि		कि
र	क	े	कै
र	ु		रु
ड	क		इक
ञ	ज		ञ्ज
ट	य		ट्य

This font is aesthetically developed specially for the purpose of content creation and display. The readability of the font is greatly enhanced due to the uniformity of the shapes of the glyphs of the font. The font is embeddable which means that static web content can be developed using this font and displayed in a browser without any download.

### Possible target application areas:

- Developing Indian language web content
- Developing desktop applications to support Indian Languages
- Developing Unicode based Indian language search engines
- Developing Indian language corpus for various language tools

Below is a screen shot of the OT font used in a web document displayed through the browser.

