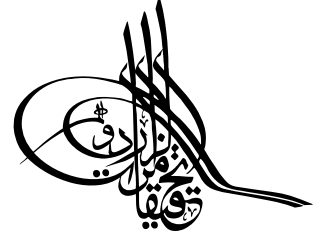


نفس نستعلیق

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## Nafees Nasta'leeq (Beta Release)



Center for Research in Urdu Language Processing at National University of Computer and Emerging Sciences ([www.crupl.nu.edu.pk](http://www.crupl.nu.edu.pk)) is pleased to announce the release of character-based **Nafees Nasta'leeq** Open Type Font for writing Urdu, based on Unicode standard.

This font is developed according to calligraphic rules, following the style of **Syed Nafees Al-Hussaini (Nafees Raqam)** ([www.calligraphyislamic.com/Profiles/Nafees.html](http://www.calligraphyislamic.com/Profiles/Nafees.html)), who is one of the finest calligraphers of Pakistan. Guidance and calligraphy of basic glyphs for the font has been provided by Syed Jameel-ur-Rehman. He is pupil of Syed Nafees Shah and Hafiz Syed Anees-ul-Hassan. Nafees Nasta'leeq OTF contains approximately 1,000 glyphs, including about 26 ligatures. This font is operable on all platforms supporting OTF specifications. This work has been funded by Small Grants Program by IDRC, APDIP UNDP and APNIC (<http://www.apdip.net/ictrnd/nafees.asp>).

Nafees Nasta'leeq allows Urdu computing on Microsoft 2000, NT, XP, Unix and Linux platforms. This font enables desktop and internet publishing, and electronic communication in Urdu using existing software (without any plug-ins) supporting OTF specifications, e.g. MS Word, MS Excel, MS Outlook (email), Internet Explorer, Netscape Navigator, Mozilla and MS PowerPoint.

Nafees Nasta'leeq is freely downloadable from [www.crupl.nu.edu.pk](http://www.crupl.nu.edu.pk) or [www.crupl.org](http://www.crupl.org).

مرکز تحقیقات اُردو، نیشنل یونیورسٹی نے کمپیوٹر سے اُردو لکھنے کے لئے خط بنایا ہے۔ یہ خط نستعلیق کی کتابت کے اصولوں کو مد نظر رکھ کر بنایا گیا ہے، اور سید نفیس الحسینی صاحب کی روش کے مطابق ہے، جو پاکستان کے مایہ ناز خطاط ہیں۔ اس خط کے بنیادی حروف سید جمیل الرحمن نے لکھے ہیں، جو سید نفیس شاہ صاحب اور حافظ سید انیس الحمن کے شاگرد اور سید نفیس شاہ صاحب کے بھتیجے ہیں، اور خط کے اصول و ضوابط کے لئے رہنمائی بھی انھی سے حاصل کی گئی ہے۔  
نفس نسخ [www.crupl.org](http://www.crupl.org) یا [www.crupl.nu.edu.pk](http://www.crupl.nu.edu.pk) سے بلا معاوضہ حاصل کیا جاسکتا ہے۔

The above paragraph is written using Nafees Nasta'leeq font.

# Nafees Nasta'leeq

## Release Notes

Following is a brief summary of implementation details of Nafees Nasta'leeq Font.

### 1. Shapes

The Nafees Nasta'leeq Font was synthesized using about 960 different shapes of letters. The break up of these shapes is as follows:

Isolated Forms	47	Special Symbols	17
Final Forms	63	Punctuation Marks	36
Initial Forms	360	Digits	10
Medial Forms	373	Required Ligatures	2
Nuqta marks	15	Alternate Ligatures	26
Aerabs	12		

### 2. OTF Lookups

#### 2.1 Substitution Lookups

Initial	1	Calt*	3
Medial	1	Ligature	1
Final	1	Ligature**	1
Calt	100		

\* Calt lookups to accommodate Nuqta Positioning due to GPOS size limit.

\*\* Ligature lookups to accommodate Nuqta Positioning due to GPOS size limit.

#### 2.2 Positioning Lookups

Cursive Positioning	24
Kerning Rules	15
Nuqta Placement	
Default	8
Nuqta Above	24
Nuqta Below	23
Nuqta for bari Yah	21
Aerab Positioning	2

#### 2.3 Glyph Groups / Classes

56

### 3. Open Bugs

All the rules described in 2.2 are placed in GPOS table of OTF specification. Towards the end of our effort, this table (which has 64K bytes) was exhausted. It is due to this size limitation in GPOS table that some kerning issues have not been addressed.

Please send comments and report bugs at [CRULPFonTS@nu.edu.pk](mailto:CRULPFonTS@nu.edu.pk).