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Note to NITROHCSv1.0 Database

Detail of Capturing Device and Mechanism:

Capturing device: i-Ball takenote A-414
Nature of data collection: Using specific format with A4 sheet
Archive: Soft copy and hard copy
Capturing condition: Random
Illumination and color: No effect
Image format: ".bmp"

Detail of the Subjects:

#Subjects: 160	#Images: 15,040	Age group: All
Genders: {Male, Female}	Ethnicity: Indian	Domicile: Odisha, WB, AP

Detail of Nomenclature:

Download *NITROHCSv1.0.rar* (for Windows) or *NITROHCSv1.0.tar.gz* (for Linux) in your computer and unzip the zipped folder. The zipped folder contains forty-seven folders: *NITROHCS001 through NITROHCS047*. *Each of the folder* contains 320 handwritten atomic samples of a character class. Size of each image is 81 X 81. The files inside each folder are named OHCS001 through OHCS320. Samples are collected from 160 different people of all age group at different times. Each person contributes samples twice at different time.

Possible uses of the dataset:

This database is intended for research towards (i) Handwritten Odia character recognition, and (ii) Text-to-speech conversion.

How to use:

The database is freely distributed and can be downloaded for personal or research-specific use by any individual / non-commercial laboratory / academic institution. For any other use, prior permission should be acquired from the collectors of the dataset.

Citation:

Any experiment tested upon NITROHCSv1.0 must cite the following article:

Tusar Kanti Mishra, Banshidhar Majhi, Pankaj K Sa and Sandeep Panda, " Front. Comput. Sci., Springer, 2014, 8(6): 916–922, DOI 10.1007/s11704-014-3354-9.

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