**MUSALIAR COLLEGE OF ENGINEERING & TECHNOLOGY**

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**FONTIFY: INDIVIDUAL HANDWRITING FONT GENERATOR**

**ABSTRACT**

The "Individual Handwriting Font Generator" is a tool designed to digitize an individual's handwriting into a personalized font. Users provide handwritten samples on a predefined template, which are processed using image recognition and font-generation algorithms. The tool extracts, maps, and normalizes characters to create a fully functional font file. This personalized font can be used in digital applications, preserving the unique style of a person's handwriting. The project aims to blend creativity and technology, offering a user-friendly solution for anyone looking to transform their handwriting into a digital medium.

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***Keywords: - Handwriting Digitization, Personalized Fonts, Font Generation, Optical Character Recognition (OCR), Image Preprocessing, Typography Automation, FontForge Integration, Digital Handwriting Preservation, Character Mapping, OpenCV.***

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