

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

**JAHANGIRNAGAR UNIVERSITY**

**Lab Assignment-01**

**Course Code: CSE-456**

**Course Title:** **Multimedia & Animation Techniques Laboratory**

**Submitted By:**

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###### **Professor**

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**Assignment No:** 01

**Assignment Name:** Developing new typeface of the characters A & K in H980x Unicode.

**Objectives:**

A typeface is a set of characters of the same design. These characters include letters, numbers, punctuation marks, and symbols. A typeface is the design of lettering that can include variations, such as extra bold, bold, regular, light, italic, condensed, extended, etc.

**Necessary Tools:**

1. FontForge (Font Editing tool)

**Procedure:**

1. Firstly we need to open the FontForge Software.
2. Then from the top bar we need to click

**Encoding option-> Force Encoding**.

1. As these are Unicode (A, K), so we need to select **ISO 10646-1(UNICODE-BMP).**
2. Then we need to search the Unicode selected for A and the Unicode selected for K .The Unicode for A is **“0985”** and for K is **“0995”.**
3. Then after clicking 0985 Unicode the letter can be drawn in the given window space. So here is given some tools like pen, point giving tool for drawing the font. And the pointer tool for editing or finishing for the exact font.
4. Then it’s the turn to save it.
5. Then after clicking 0995 the 5th number process should be continued.
6. Again we need to save this font.

**Required Time:**

**For A:** Firstly I have made the typeface for A. As this is very new to me. So it took much time. Two days I have seen you tube video first related to this topic and to get familiar with the tools of the software. Then I have started to draw. I have done this work slowly so the finishing may remain well. And finally after three more days I completed to draw A.

**For K:** After finishing the work of making the font for A I have started to draw K.As I got familiar with the tools at the time of designing A .So it took about 2 days to design the font for K .