When we get a newly unearthed inscription, we must first identify the letters inscribed on the stone surface. The stone surface is usually contaminated by various kinds of noises such as scratches, cracks, voids, etc. And also, the same letter sometimes takes different shapes depending on the skill of inscriber and the tool of inscribing. Up to recent days, the work of identification of letters has been carried out by human sense. We like to introduce more scientific method for the letter identification. In order to have a scientific method, the first step is to produce alphabet fonts of ancient scripts. The alphabet of early Brahmi script has already been created by archaeologist by studying the common features of letters found in inscriptions[5,8]. Their method is based on human sense and hand writing. Therefore, the shape of the alphabet can be slightly different depending on the creator. The aim of this research is to create more precise alphabet fonts of early Brahmi scripts in Sri Lanka by analyzing a lot of inscriptions by computer without depending too much on human sense.