The studies for the visually impaired have slightly progressed with development of technology, even so previously mentioned studies are not yet at the desired level. At the present time, visually impaired persons keep continue to use white cane. When taking into consideration of the complaints and the difficulties encountered of these persons, it is not possible to ignore that situations. In this study, an electronic smart walking stick has been designed for visually impaired persons. Creating a structure that is for visually impaired persons make theirselves feel safe via assembled components which are on the cane has been intended. With this purpose, increasing of their movement ability without being in need an additional component, determining their location and easily contact with them in required situation has been provided via microcontroller. On the whole, this mentioned walking stick has been designed as like giving a warning when detect obstacle, providing them to being noticed when the environment is getting dark, if necessary carrying out process which are calling and sending message via GSM and determining location. In consequence of these features, roaming autonomously and ensuring that they may be more adaptable to society has been intended for visually impaired persons.