

## ABSTRACT

---

*Blind someone who can not see or have visual impairments. If it will traveling must use a stick as a tool the move, based on these this final project develop tools Smart Cane Direction Guide which can provide distance information and direction of the wind. which consists of two modules, that is module provide distance information and direction of the wind the destination location and data storage destination location based GPS. at the end of the project will be discussed further is data storage location and direction of the wind and data storage destination location on GPS.*

*Module information destination location and direction of the wind use GPS U-blox neo 7M with compass, and data from GPS in the process through raspberry pi 2 which then produce the output of the sound from the earphone and use the keypad braille as input data location and power bank 4000Mah as the give of power on this tool.*

*Keywords: visual impairments, Smart Cane Direction Guide, Raspberry Pi 2, Keypad, GPS U-blox NEO 7M with compass, Earphone*