



Department of Electronic & Telecommunication
Engineering,
University of Moratuwa, Sri Lanka.

3D Mapping Device for Object Tracking Photographs - Group B

Submitted By:
210728C Wijewickrama W.K.D.D.D.
210031H Amarasinghe A.A.W.L.R.

Submitted in partial fulfillment of the requirements for the module

EN 2160 : Electronic Design Realization

28th June 2024

1 Photographs

1.1 Bare PCB

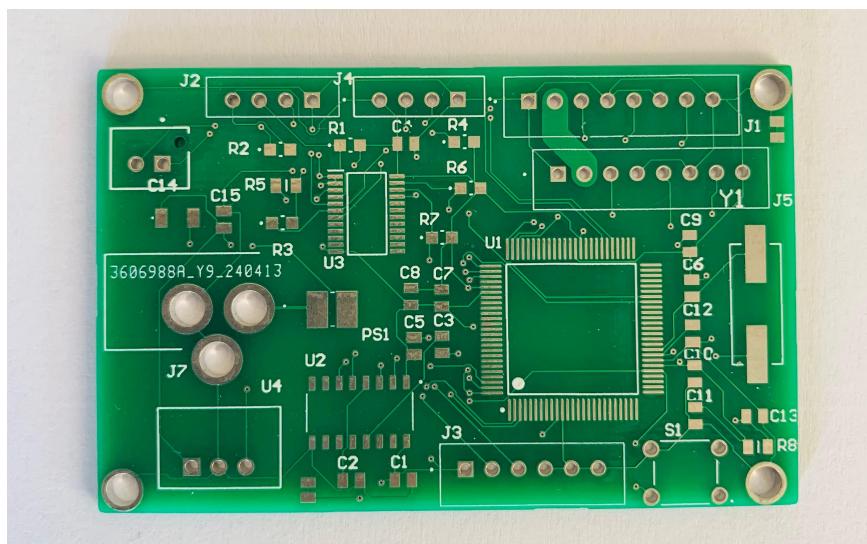


Figure 1: bare PCB

1.2 Soldered PCB

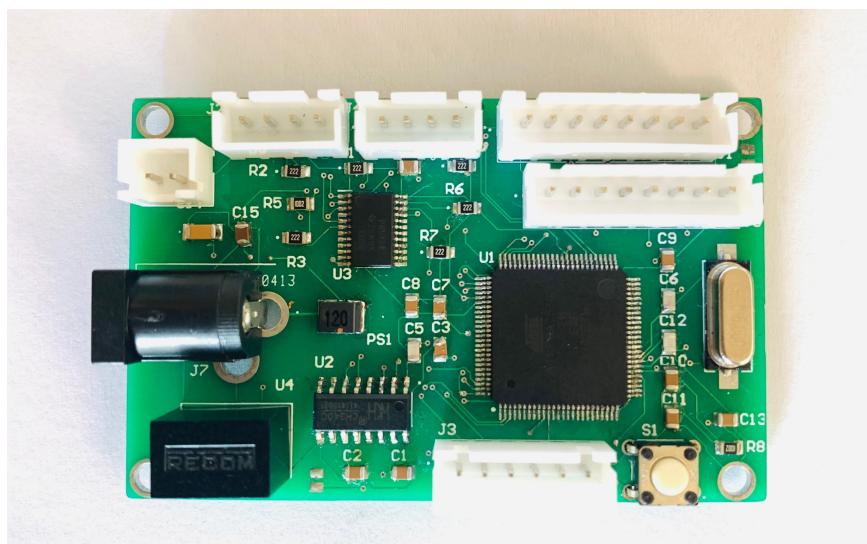


Figure 2: soldered PCB

1.3 Physically Built Enclosure



Figure 3: Enclosure



Figure 4: Enclosure



Figure 5: Enclosure



Figure 6: Enclosure

1.4 System Integration

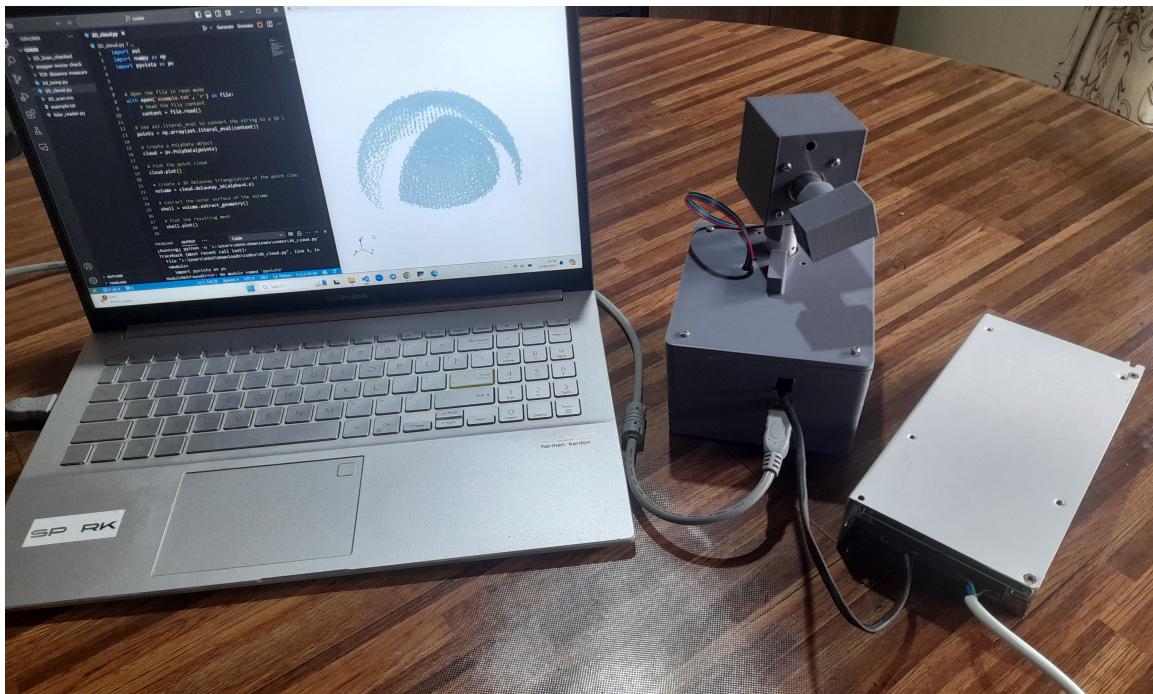


Figure 7: System Integration

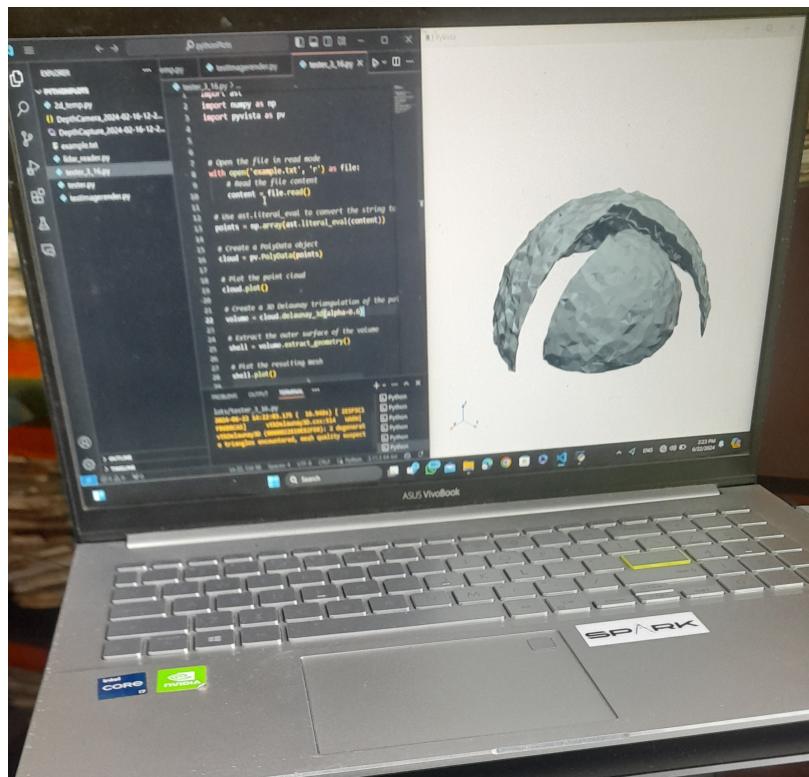


Figure 8: 3D map



Figure 9: 3D scanner and power supply



Figure 10: 3D scanner and power supply



Figure 11: System Integration



Figure 12: System Integration