CHAPTER 4

4.1 Experimental Result Analysis

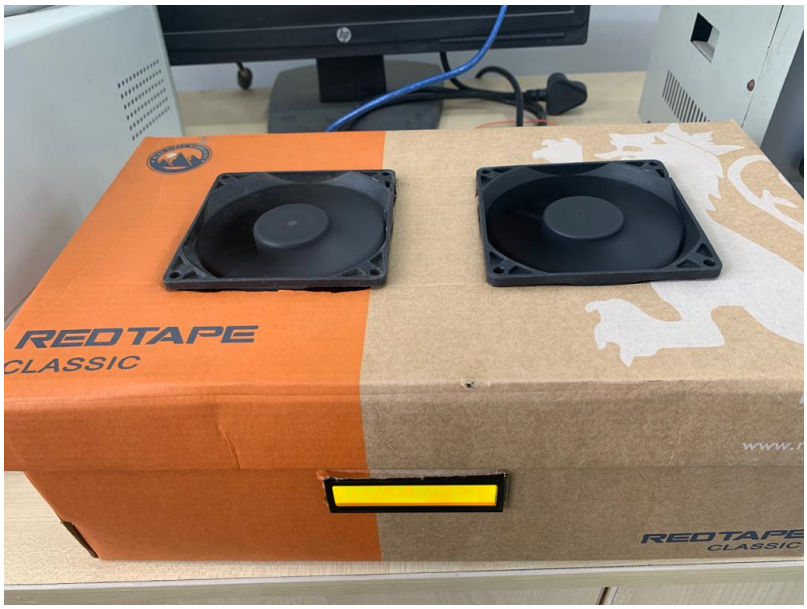

Fig 4.1(a) This picture indicates unit of the sustainable and efficient cooling system in working state

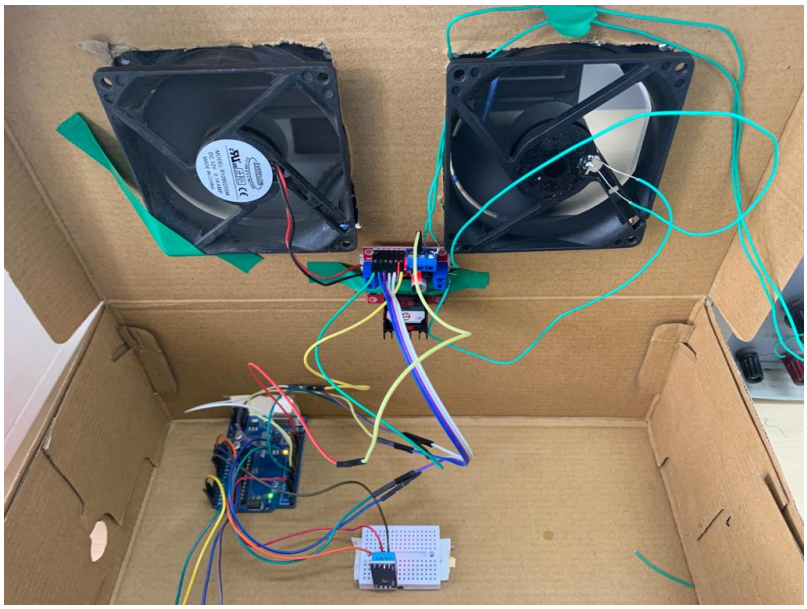

Fig 4.1(b) This picture indicates unit of the sustainable and efficient cooling system in working state from inside

4.2 Result

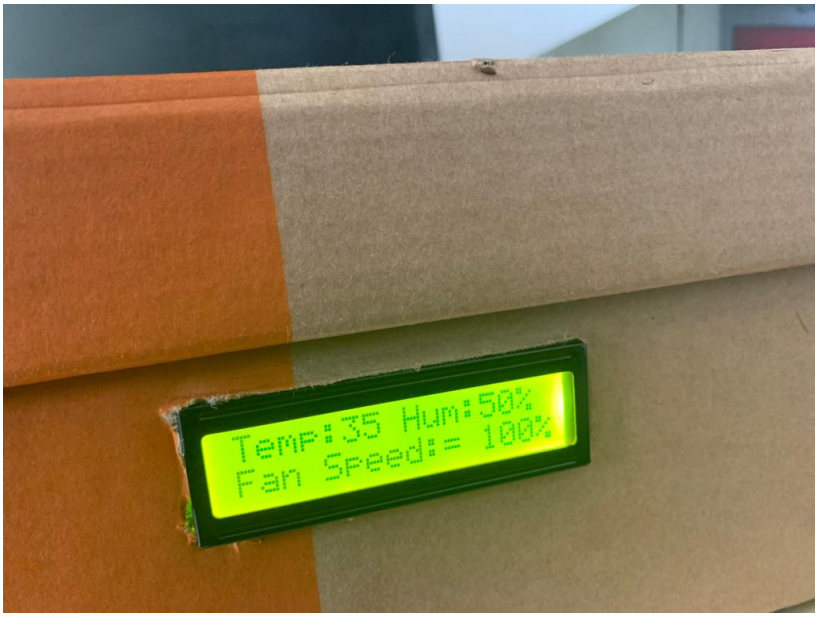

Fig 4.2(a) This picture indicates unit of the sustainable and efficient cooling system in working state from inside. The fans in the unit are rotating at 100% capacity as temperature is ranging between 35 and 40 deg. Cel.

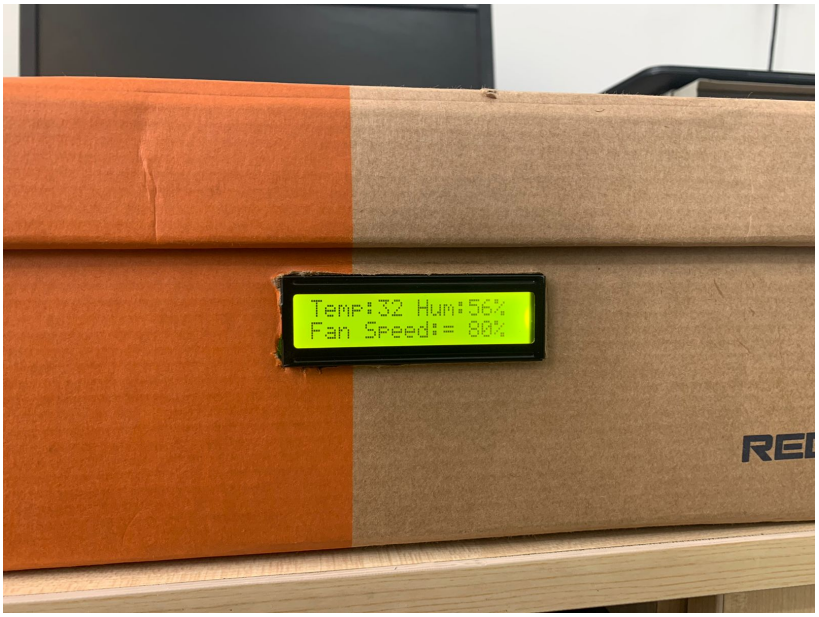

Fig 4.2(b) This picture indicates unit of the sustainable and efficient cooling system in working state from inside. The fans in the unit are rotating at 80% capacity as temperature is ranging between 30 and 35 deg. Cel.

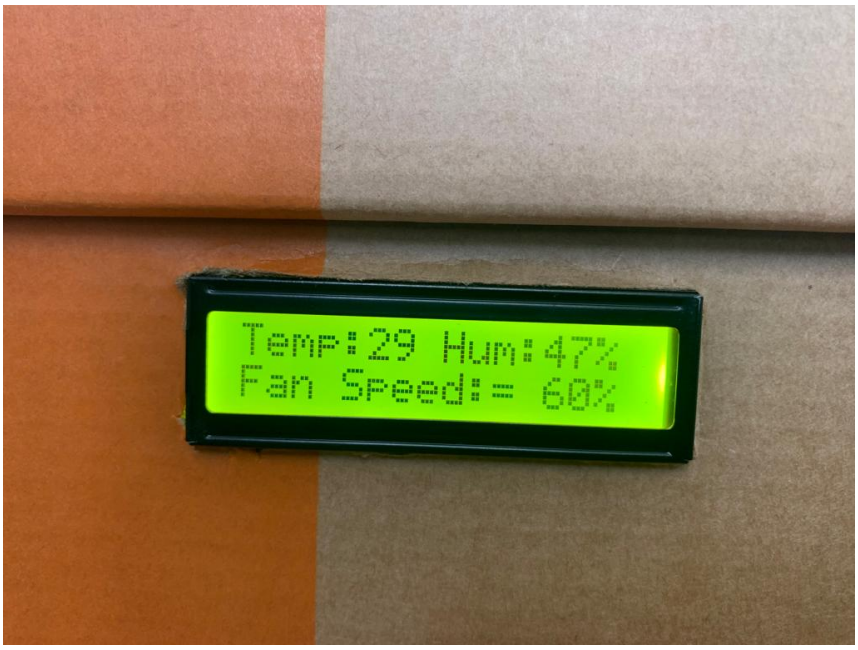

Fig 4.2(c) This picture indicates unit of the sustainable and efficient cooling system in working state from inside. The fans in the unit are rotating at 60% capacity as temperature is ranging between 25 and 30 deg. Cel.

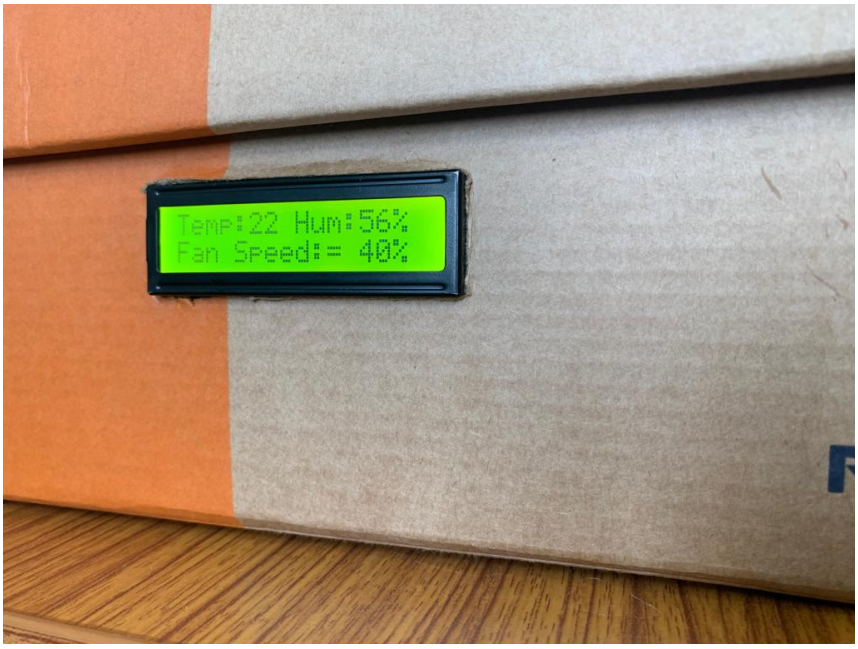

Fig 4.2(d) This picture indicates unit of the sustainable and efficient cooling system in working state from inside. The fans in the unit are rotating at 40% capacity as temperature is ranging between 20 and 25 deg. Cel.

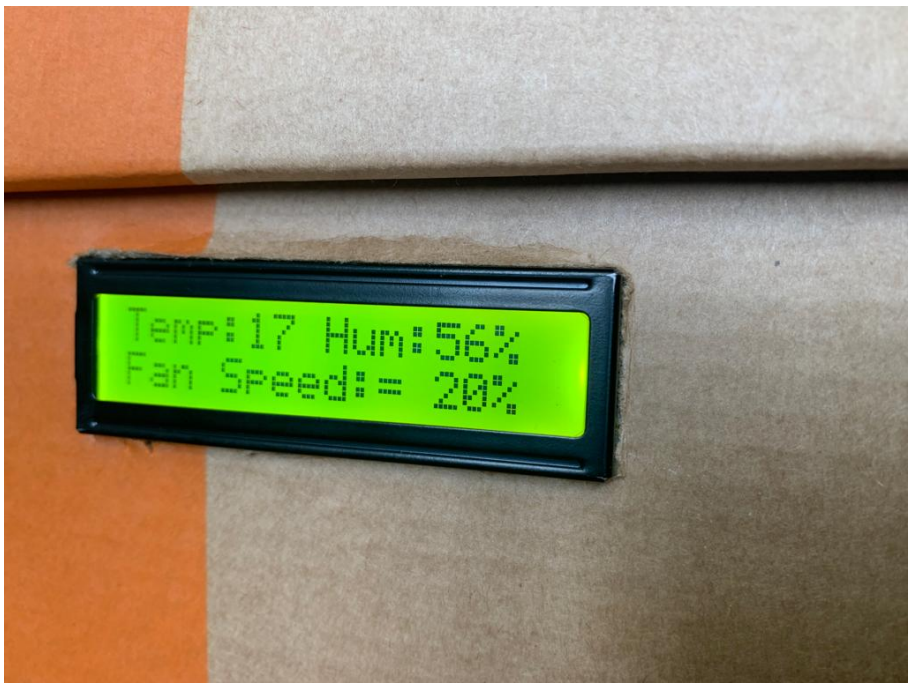

Fig 4.2(e) This picture indicates unit of the sustainable and efficient cooling system in working state from inside. The fans in the unit are rotating at 20% capacity as temperature is ranging between 15 and 20 deg. Cel.

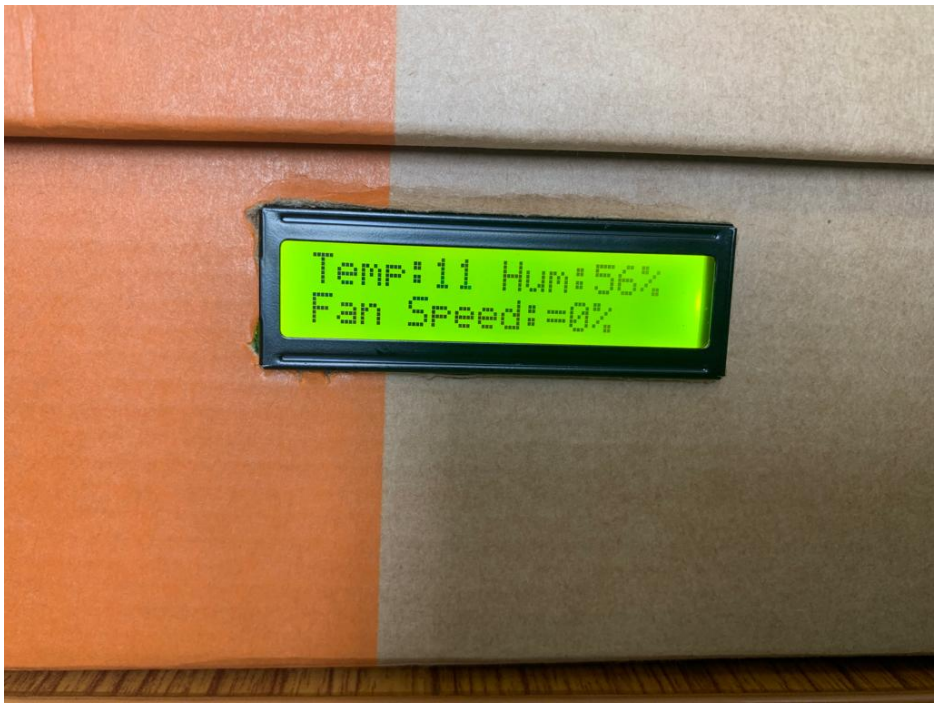

Fig 4.2(f) This picture indicates unit of the sustainable and efficient cooling system in working state from inside. The fans in the unit are not rotating as temperature is ranging between 10 and 15 deg. Cel.