Mini-Project

Computer Aided Design & Digital Fabrication

Skills Future Training

19 – 25 Sep 2023

Mini-Project Brief

- Design an automated Tea-Maker which will allow you to make the perfect cup of tea
- Your Tea-Maker should include the following:
  - CAD design
  - Laser Cut part(s)
  - 3D printed part(s)
  - Embedded controller board
  - Input & output device(s)
- The Tea-Maker should be properly integrated, with no loose wiring and electronic parts should be mounted firmly

Parts Available

- You are provided with the following parts/components for your mini-project:
  - Arduino Uno R3
  - Servo motor
  - Push button switch
  - LEDs x2
  - Dupont cables

- This is a 4-hour project, not your life-time work, so plan accordingly