

List of Senior Design Projects (Academic Year 2023)

1. Theoretical Study and Simulation of a Thermoelectric Generator Module
2. Linear elastic fracture simulation using finite element method
3. Design of turbulent flow simulation
4. Design, analysis and fabrication of a wing
5. Experimental design for water desalination using solar still
6. Selection of Optimum working fluid for Organic Rankine Cycle
7. Accumulative Roll Bonding of aluminum sheets reinforced with nano particles
8. Flexural response of porous functionally graded plates using higher-order shear deformation theory
9. Design and Development of a refrigerating System for a Food Transport refrigerated Truck
10. wind energy as an alternative fuel used in propulsion power for small boats: theoretical study, design and production
11. experimental and numerical investigation of adsorption water desalination system
12. geothermal electricity generation using thermoelectric effect
13. design of a latent heat energy storage system for solar collector
14. design, manufacturing and analysis of robotic arm
15. modeling and parametric study of single-walled carbon nanotubes conveying fluid
16. designing, manufacturing, modeling, and testing f-1 helmets by using hybrid composite systems