

Various titles for BSc (AMET400 Senior Project) and MSc Research Thesis

1. Fatigue tester experiments
2. Lubricants in fatigue testing
3. CNC router and 3D printing
4. Design and construction of a racing car - Formula student
5. Fatigue tester software – Labview
6. Welding engineering simulation and quality testing
7. Modeling, residual stresses and distortion due to welding
8. Design of various parts for oil and gas industry
9. Welding parameters and their effect on strength
10. Welds in high strength steels
11. FEM supported determination of the biomechanical response of the human spine
12. Reconstruction of complex products by Computer Tomographies and Rapid Prototyping
13. Design applications in human systems and special experimental procedures
14. Quality in product design and development
15. Machining or forming quality and cost reduction
16. Quality improvement for manufacturing systems design and control
17. Advanced models in engineering design