Thesis Topics BSc / MSc

Supervisor: Dr József Menyhárt

Email: jozsef.menyhart@eng.unideb.hu

These topics are suggestions and flexible for modification following your ideas.

1. Diagnostics of Engines and Machines, Bearings

2. Maintenance of Machines and Vehicles

3. Automobile Topics, Autonomous Vehicles, Vehicles Energy Management

4. Vehicle Diagnostics and Analysis, Engine, Transmission, Performance Optimizations

5. Applications of MATLAB in Engineering

6. Applications of LABVIEW in Engineering

7. Applications of Artificial Intelligence (AI) in Engineering and in Vehicles

8. Neural Networks and Other Machine-Learning Techniques (SVM, Fuzzy logic etc.)

9. Optimization of Engineering Problems (by MATLAB or other pieces of software)

10. Topics in Machine Design (AutoCAD, Solid Edge, SolidWorks etc.)

11. Production, Manufacturing and Maintenance System Optimization with Lean Tools

12. Technomatix Applications in System/Process Engineering

13. Lean Principles in Industry

14. Topics in Quality (ISO, IATF, VDA etc.)