

## **Production Projects for Mtech & PHD**

1. Application of Topological Optimization in Additive Manufacturing
2. Application of Topological Optimization in Rapid Prototyping
3. Numerical Analysis of Optimum Cooling Channel For Injection Moulding
4. Structural Analysis and Optimization of Weld Joint Parameters using Central Composite Design Scheme
5. Structural Analysis and Optimization of Weld Joint Parameters using Sparse Matrix Initialization
6. Optimization of Weld Joint Parameters using Box – Behnken Design
7. Application of 6 sigma tool in robust design of components
8. Application of Topological Optimization in Additive Manufacturing
9. FEA Analysis of Sheet Metal Forming Process using ANSYS
10. FEA Analysis of Laser Cutting Operation using ANSYS
11. FEA Simulation of Sand-Casting Process using ANSYS
12. FEA Analysis of Laser Welding Operation using ANSYS

