

## **MULTI-OBJECTIVE DESIGN OPTIMIZATION OF STEEL FLOAT BY USING ANSA TASK MANAGER**

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### **KEYWORDS –**

Multi Disciplinary Design Optimization, Automatization, Weight Reduction, ANSA Task Manager

### **ABSTRACT –**

Weight reduction is one of the most critical goal of vehicle production. By this purpose, multi-objective design optimization tools are widely used. The aim of this study, obtaining weight reduction for steel float of Ford Transit vehicles. In order to find optimum design, thickness of sheet metal parts are changed automatically by using ANSA Task Manager. Then, Modefrontier is used for performing DOE. At The end of the study, 30 kg weight reduction is obtained FOR Ford Transit vehicles.