Ford Romania Intern Program
Internship Workplan

Project Name:	Multispindle M/C Project	**Supervisor Name:**	D. Iova
Department Name:	Maintenance	**Supervisor CDSID:**	**diova**
Assignment Location:		**Supervisor Position#:**	**Maintenace Senior Eng.**

Project Description

Objectives: Improvement of CHASSIS 2 underbody screws tightening in an automatic manner. The Project means to modify one existing installation depending on the needs in line. It is required a high degree of accuracy and synchronization.
Electrically speaking, it's a challenge because there are a lot of (different size) bolts & nuts position underbody to be tightened with different torque in a specific order depends by car type. The rate of accuracy in function needs to be higher than 99%. The most complicated issue that needs to be solved is to modify an existing PLC program – SIEMENS : STEP 7 – to be adapted for Craiova's production.
Therefore it is proposed to build a multi task tightening system.

Project name: Multispindle M/C

Measurable Objectives

Identify and tight the underbody screws and nuts;
Identify improper tightening torque

Expected Major Contributions

Identify opportunities for CHASSIS Line efficiency.

Expected Benefits to Intern

Eliminate breakdown generated by actual manual tightening

Intern Qualifications (schooling, work experience, major)

Vision of process
Technical knowledge