



UNC CHARLOTTE

The WILLIAM STATES LEE COLLEGE of ENGINEERING

## Senior Design Project Description for FALL 2016

### Project Title: CVT Design for Current LT Tractor (HUSQ\_CVT)

Supporter: Husqvarna

Supporter Technical Representative: ASSIGNED

Faculty Mentor: \_\_\_\_\_ ASSIGNED  TBD (check one)

Single Team  Dual Team \_\_\_\_\_ (check one)

Personnel (EN/ET): \_\_\_\_\_ E, \_\_\_\_\_ Cp, \_\_\_\_\_ Cv, 5 M, \_\_\_\_\_ SE

(Complete if the number of students required is known)

Expected person-hours: (250 per student)

#### Description of Project:

Husqvarna is looking to modernize and upgrade the transmission system for their LT model tractor.

#### Initial Project Requirements (e.g. weight, size, etc.):

The new system will be a continuously variable transmission (CVT) using an MST gear drive.

#### Expected Deliverables/Results:

The deliverable will be a prototype that has been tested. Drawings and a parts list are to be provided.

#### List here any specific skills or knowledge needed or suggested (If none please state none):

None