~~Project~~

~~Design specifications~~

~~Design restrictions~~

Pictures

~~Design process~~

~~Pictures~~

Pugh chart

~~Scoring strategy~~

power, volume, transmission angle deviation table

~~which design won/why~~

table of final link lengths, transmission angle, transmission angle deviation, ground pivot location, cup size

~~compare transmission angle with allowed value~~

pictures

CAD – field, cup, bolts, bearings, hardstops, motor, motor mount, CLC

~~Discuss features like hardstops and material~~

Discuss quality of joint design\*\*\*

~~Discuss features that provide adjustability~~

Estimate of volume

Picture of beginning and end, isometric, cross section of joints, dimensions for volume

Justify acceleration\*\*

ADAMS – graph of angular position, angular velocity, power, input torque

Discuss

Discuss spikes and how realistic

Picture of CAD in ADAMS

Each individual design

2 paragraphs about mechanism synthesis, solidworks, adams

link lengths, transmission angle, transmission angle deviation

pictures

CAD – beginning, end, isometric

ADAMS – cad in adams, angular position, angular velocity, power, input torque

Drawings and manufacturing plans

Bill of materials

Assembly manual – description and picture of each step