**Objective:**
Build the vehicle of the future!

**Rules:**
- Each team shall consist of 2-6 students.
- Participants may use the ASE virtual desktop to access CAD software or use local CAD software on their computer (any form of CAD software is allowed)
- No outside CAD files or outside help

**Write-up:**
The project will finalize with a brief write-up on the vehicle. Take this time to fully explain the reasoning behind your team’s design and CADathon experience. There is no minimum or maximum length for the write-up.

Also, teams may choose to run analyses on their CAD model to further explain its effectiveness, but this step is not required and will not greatly impact the judges' final decision.

**Vehicle implementation:**
- Why did your team choose this vehicle?
- How will the vehicle benefit current society?
- What audience is the vehicle garnered towards?
- What makes the vehicle convenient?
- What powers the vehicle?
- What makes the vehicle feasible for future generations? (i.e., structural integrity, power, cost estimate, etc.)
- What makes the vehicle exciting or unique?

**Engineering Process:**
- Design methodology (including a breakdown of subsystems and materials used)
- Team members and their responsibilities
- CAD analyses (optional, but not required)
**SUBMISSION:**
- Send the fully-assembled vehicle model CAD and the write-up to utlunarcouncil@gmail.com. The CAD will be submitted in these formats: .STEP and PDF, and the write-up will be submitted as a PDF.

**JUDGING CRITERIA:**
The judges panel will be composed of professors and LUNAR Council members. They will be considering the following criteria:

**CAD:**
- CAD design (taking into account its completion and errors)
- CAD aesthetics
- Animation (optional)

**Write-Up:**
- Vehicle implementation questions (#1-7)
- Design methodology
- Evident team member collaboration

**PRIZES:**
- ASE/COE LUNAR Council’s CAD Engineering Excellence Award
- Materials for miniature 3D-printed replica
- ASE/COE Department merch
- Recognition and all ASE/COE Department media outlets and notification of award to all professors for further recognition

**GOOD LUCK!**