Abdullah Ahmed Akhtar

* I went through mechanical CAD notes from first year, to understand how to draw 2D drawings using solidworks.
* Watched tutorial videos (given on blackboard) of how to use solidworks, and additional videos on YouTube to understand, different features of solidworls e.g. how to use stress analysis feature of solidworks.
* Drew a few concept drawings of chassis on paper, including where every component will be on the chassis, how many layers are required etc.
* Worked out dimensions for most of the components to be placed on the chassis. I used the SLDRPT files (of nucleo board, motor drive board etc) provided on blackboard to work out these dimensions. Based on these dimensions I will put holes on the chassis.
* Started working on the chassis design on solidworks, and worked on 2 parts of chassis, I have drawn a few holes based on my initial design, however will make changes to it based on the final design chosen by the group.
* I attended the high voltage lab along with my group and actively participated, and asked a lot of questions to the staff, and gave my ideas to the group about risks related to the activity being carried out.