




Individual Project Meeting Record

Project Title	Design and manufacture of an aerodynamic undertray for Formula Student		
Supervisor	Dr. Rob Watson	Student	Dennise Zefanya Tohpati
Date and time	MEETING 5 – 23th OCTOBER 2020	Location	MS TEAM [ONLINE]
<p><u>Review of actions from previous meeting</u></p> <ul style="list-style-type: none">• Progress presentation draft has been given and evaluated by supervisor.• The vortex generated issue on the first flow has been solved.• The 2D CFD of enclosed undertray flow results have been processed and evaluated by supervisor.• Further literature review has been conducted to support the initial enclosed flow results. <p><u>Discussion, decisions, assignments</u></p> <ul style="list-style-type: none">• Discussed regarding the literature review and basic principle of venturi duct and Bernoulli and its advantages to the aerodynamic undertray.• Discussed the draft presentation, supervisor suggested to list nature of the 2D enclosed results and what limitation is on this particular simulation• Discussed the open flow simulation; supervisor suggested the inflation on the undertray and floor boundary layer to achieve more accurate results of the undertray. Supervisor also suggested to put a car like form on the top of the undertray to see more realistic drag form instead of having the undertray analysis isolated.• Discussed the use of the initial results into the lap time system that has been made by previous project student, to get a better image on the actual aim.• Discussed regarding technical questions that might come up on the progress presentation. <p><u>Agreed actions and completion dates</u></p> <ul style="list-style-type: none">• To try to fix the floor boundary layer inflation on the 2D enclosed system.• Start analysis the undertray with open flow in a “car-like” shape to generate more realistic result.• Finish up the progress presentation with all citation and slides completed which will be rehearsed with supervisor on Tuesday 27th October 2020.			
Date and time of next meeting	Tuesday – 3 P.M. – 27 October 2020 (Progress presentation rehearsal)	Location of next meeting	MS TEAM [ONLINE]
Supervisor signature		Student signature	Dennise Tohpati