QUEEN'S UNIVERSITY BELFAST | SCHOOL OF MECHANICAL AND AEROSPACE ENGINEERING

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 6 – 23th OCTOBER 2020**	Location	**MS TEAM [ONLINE]**

Review of actions from previous meeting

- 2D Enclosed Analyses have been fixed and the results have been presented .
- Presentation and the script have been made and resented to supervisor.
- Initial 3D open flow analyses are progress and initial result has been reviewed by supervisor.

Discussion, decisions, assignments

- Discussed regarding the literature review and basic principle of venturi duct and Bernoulli and its advantages to the aerodynamic undertray.
- 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.
- Practiced the progress presentation with some feedback from supervisor.

Agreed actions and completion dates

- Continue on 2D open-flow analyses in a "car-like" shape to generate more realistic result.
- Start the flexible 3D design to catch the deadline based on the workplan.

Date and time of next meeting	Friday – 9 A.M.	Location of next meeting	**MS TEAM [ONLINE]**
Supervisor signature		Student signature	**Dennise Tohpati**