Rebuttal for feedback from group 3

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At the beginning of this rebuttal, we want to thank group 3 for their advice in the feedback. It helps us to think through our proposal again. We’ll try to make our points clearer in this rebuttal.

First of all, the feedback mentioned that we did not describe how to get the driving score by some learning algorithm. Since driving experience is complex and we don’t have enough time to collect enough data, we are not going to develop a learning algorithm for evaluation. Besides, our main goal is to recognize the pedestrians and traffic signs. We appreciate this advice. However, in this project, we’ll focus on the devising recognition application for the patterns of traffic signs in the video stream.

Second, they were confused if we could get all the information from a device behind the front windscreen. Actually, the traffic signs should appear in the front view, letting the drivers seeing it without any difficulty. Thus, we’ll get a clear view by putting the smartphone under the windscreen. It’ll even clearer than the driver’s perspective since there’re less blind spots for the front at that position. On the other hand, for recognizing pedestrians on the side, using only front view would never be enough. However, due to the limitation of the device, we’ll drop that problem, and just focus on the pedestrians in the front for more practical implementation.

Last but not least, we want to make it clear that references 4 and 5 are the most important ones we need to use in our project. In our implementation, we would use other references to speed-up or optimize our application. However, the whole idea would be based on references 4 and 5. Furthermore, we had already talked about our expectation result in our proposal, we want to get an evaluation system which can evaluate the driving skill of drivers simply by using pedestrian and traffic sign recognition.

We believe it is true that the project is not as easy as we said, we would keep working hard on it and try to think more about the potential problems. Thank for group 3 again, thank you for your time to give us such a good feedback for our proposal.