ANNEXURE

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I am an undergraduate student in Civil and Infrastructure Engineering department. I contributed to this project in many ways.

I learnt Ptv Vissim and handled it single handedly . I made a demo project and simulated the whole traffic in it . Through it I was able to understand how traffic is affected by different parameters, like intervehicular distance, velocity of cars , vehicle density, etc. I then presented all information related to it in the meets and made understand other members as well about it.

Apart from this , I also read some of the research papers like ,"*Parametric study of stimulus-r ametric study of stimulus-response behavior incorporating vehicle heterogeneity in car-following models* " and "*Chandler Research Paper*" in order to understand different aspects of traffic like response time, sensitivity, etc. and finally reach to the final solution.

I optimized the d (intervehicular distance) parameter and found out its optimized value needed for the optimum scenario.

I also tried to give some suggestions in python code , which our team made from scratch in order to mimic traffic.

I used to attend all our team meetings and used to give my inputs. Whatever new things I used to explore and find something new I used to make a note of it and also shared my ideas in our discussion meetings. I also helped my team to make this final report and video.