

December 20, 2023

To
The Chairperson
4th Year 2nd Semester B.Sc 2022 Examination Committee
Department of Robotics and Mechatronics Engineering
University of Dhaka
Dhaka-1000

Via
Md. Ariful Islam
Supervisor
Department of Robotics and Mechatronics Engineering

Subject: Application to grant for modification of our research topic titled 'Enhancing Road Safety and Vehicle Security Through Computer Vision and Online Marketplace Solution'.

Dear Ma'am,

We, fourth-year second-semester students in the Department of Robotics and Mechatronics Engineering, are writing to formally request your support for a modification to my current research topic. We hope this letter finds you well

We initially aimed to enhance vehicle security through a GPS-GPRS/GSM system, but encountered stability issues with the electronics components, leading to inaccurate results in testing. As a result, we are modifying our research topic. Fortunately, we now have a dataset of human images engaged in various driving activities, allowing us to shift focus to building a model that classifies risky behaviors while driving. We have experimented with CNN models, including kernel convolution, point-wise convolution, and Neural Search Architecture, striving for optimal outcomes. Our proposed title for this classification task is 'An Efficient Approach for Detecting Driver Incognitive State Based on Deep Learning'.

I have discussed this proposed modification with my supervisor and he is supportive to this changes. I am confident that the adjustments will strengthen the overall quality and impact of my research.

I kindly request that you review and endorse this modification, and if deemed necessary, facilitate the approval process through the department chairperson. I am more than willing to provide any additional information or meet in person to discuss this request further.

Sincerely,
Md. Mahmdul Hasan Rakib
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