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| **Project Title**  **Student Name SID:** Muhammad Abad Khan(11696)  **Student Name SID:** Sadia Naz (11965)  **Student Name SID**: Tooba Anwer (13619)  **Student Name SID:** Warisha Jamal (64822) | C:\Users\mcn\AppData\Local\Packages\5319275A.WhatsAppDesktop_cv1g1gvanyjgm\TempState\C6C2C003AC8A3E6E7C2C27D15AFA4799\WhatsApp Image 2025-06-28 at 21.53.29_fbf245d8.jpg |
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**Abstract**

Drivers view the most common road accident as a result of not being able to see, if they

are behind a vehicle such as a truck. The highway mechanism that can be especially

dangerous to attempt is overtaking. And poor visibility coupled with blind spots means

drivers cannot judge if it's safe to overtake, raising the risk of serious collisions. In answer

to this problem, Vision-Guard can help. With the help of cameras and other devices, the

system gives a real-time picture of what is happening in front on its screen at the rear of

any truck. It measures distance to vehicles nearby using sensors, and alerts when they're

too close. The device objective is to do so prevent collisions, improve visibility and also

safer overtaking decisions. Devoted to creating an even more secure driving environment

for all the citizens of any country, this project is really a helpful to what technology can

offer.

**Application:** Visual Studio Code, Arduino UNO