CycleGuard
SAFE, · SUSTAINABLE, · STYLE

Trinity College Dublin
Coláiste na Trionóide, Baile Átha Cliath
The University of Dublin

Prof. Gareth J. Bennett
2MEMS3
Group 5

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Mission Statement

We at CycleGuard, are determined to design sustainable cycling accessories which keep you both safe and stylish!

Feedback

No
18.2%

Yes
81.8%

Would you where our vest based on concept model below?

Problem Areas

NO WAY FOR CYCLISTS TO INDICATE SAFELY

HIGH VISIBILITY VESTS NEED TO BE TAKEN OFF AND STORED BY CYCLISTS

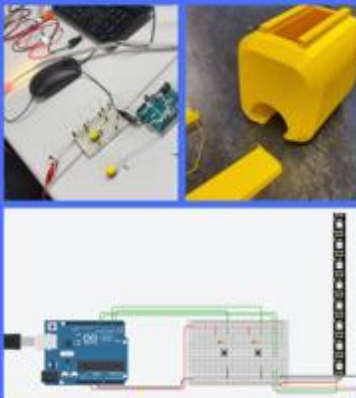SINGULAR BIKE LIGHTS OFFER LESS AWARENESS TO ROAD USERS IN BUSY URBAN AREAS

Tech Heavy
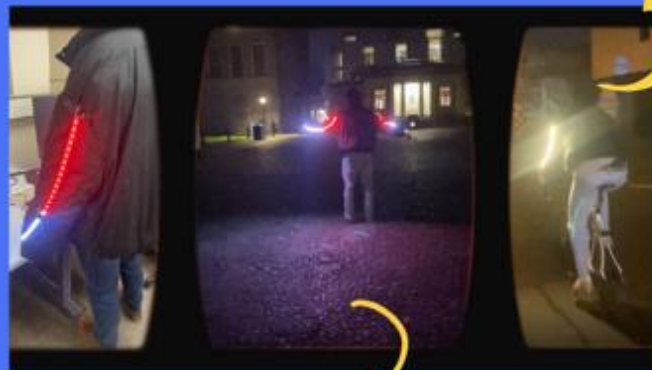
All the components woven into the jacket

3D printed casing for Arduino

Arduino Circuitry with LED strips connected to Arduino

Increased Visibility

Buttons trigger LED strip on corresponding side to alert vehicle behind of which direction cyclist is turning

Powerful LED strips capable of thorough illumination and are two contrasting colours so that they are not mistaken for other lights which are common in urban areas