**Create-A-Thon**

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| **Team Name** | DARTS |
| **Team Members** | Ratik Puri  Tanishk Bansal  Divyam Garg  Archit Aggarwal  Saksham Garg |
| **Theme** | Public Transportation System |

**One line pitch of your idea**

Building a product to detect and measure awareness of drivers using Machine Learning

**Problems, you are solving**

Problem we are targeting and trying to solve is the road accidents that are caused due to the lack of attention of the drivers of vehicle.

**Description of Solution/Product provided**

We will be getting the images of the driver at a certain interval of time and check his/her attentiveness while driving. We’ll be doing so with the help of machine learning. We’ll be using an image dataset having driver with different actions and hence the different attention. The model will be trained and will be used to check attention and if found an absence mind driver, it’ll issue a warning.

**Competitors (Put it simply using SWOT Analysis)**

Strengths: Reducing Road Accidents

Weakness: People may or may not follow warning

Opportunities: Can be installed in every vehicle

Threats: Privacy

**What innovation are you bringing?**

We are trying to reduce the road accidents by calculating quality of driving. If its below a certain threshold, the driver is prone to cause an accident, we address this issue.