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# Deep Learning Autonomous Car Competition and Data Analytics Poster Presentation

*As a part of CPSC552 Data Mining Projects*

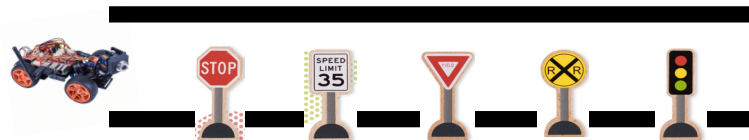
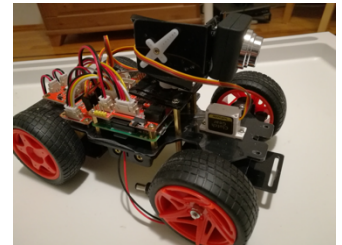
**May 8 (Wednesday), 2019 12:00 PM at Tech 116**

## Deep Learning based Autonomous Car Competition

When: **12:00 PM ~ 1:30 PM, May 8 (Wednesday)**

Where: **Tech 116 and Hallway**

During a semester, students developed "Autonomous Car" which is based on Deep Learning algorithms. Specifically, students designed and implemented Convolutional Neural Network (CNN) to detect different traffic signs including "Stop", "Rail Road", "Yield" and "Speed". In order to test the trained model, 5 teams will compete with the following tasks:



1. Start
2. Drive between two lanes using developed "lane detection"
3. Detect traffic signs
4. Perform a task for each sign  
**STOP**: stop and go, **YIELD**: slow down and go normal speed, **Low SPEED**: change speed to low, **High SPEED**: change speed to high, **Traffic Signal**: detect traffic signal, **RR (Rail Road)**: stop and go,
5. Stop at the end of road

More information from Github competition site: <https://github.com/jaykay0408/Auto-Car-Data-Mining>

## Data Analytics Poster Presentation

When: **1:00 PM ~ 2:00 PM, May 8 (Wednesday)**

Where: **South Hall 136 and Hallway**

- **Team 1: "Restaurant Visitor Forecasting"**  
by Divya Samragini Nadakuditi, Nitish Subhash Soman, and Shiva Shankar Ganesan
- **Team 2: "Mortality Prediction"**  
by Scott Ivan, Renaldo Pierre Louis, and Brandon Litwin
- **Team 3: "Analysis of All News Dataset"**  
by Bhavana Vankhede, Udaya sree Reddy, and Joseph Uwakve
- **Team 4: "Facial Recognition"**  
by Scott Jameson, Munkhdelger Delgerkhangai, and Damien Dablain
- **Team 5: "Black Friday"**  
by Hindhuja Dhanasekaran, Shreya Satish Nikkam, and Jagrithi Palachanda Chittiappa
- **Team 6: "Real-time Stock Market Prediction"**  
by Amr Attia, Phu Phan, and Shiva Teja Sirimalla
- **Team 7: "Sarcasm Detection in News Headlines"**  
by Samarth Doddaballapur Ravishankar, Gunasai Garapati, and Harshkumar Patel

**Refreshment:** Pizza and Drinks will be served for anyone from 1:30 PM at South Hall  
All faculty members and students are welcome to the Competition and Poster Presentation !!!