

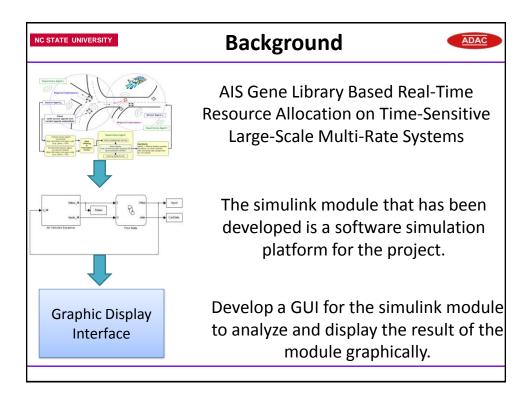
Graphic Display Interface for the AIS based Intelligent Transportation System

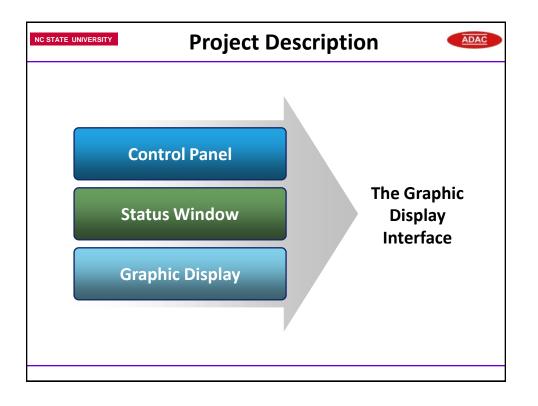
Student: Xiaodong Su

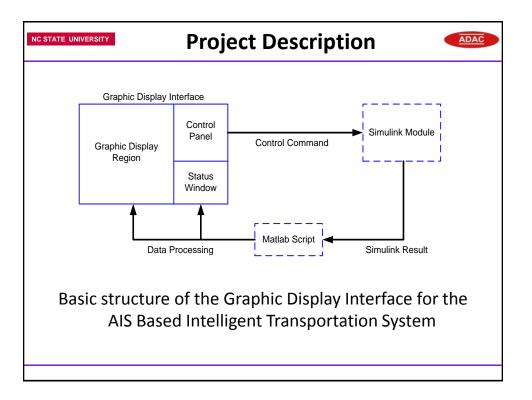
Mentor: Wente Zeng

Adviser: Dr. Mo-Yuen Chow

NC STATE UNIVERSITY	Main Content	ADAC
1	Background of the Project	
2	Project Description	
3	Learning & Work	
4	GUI Designing	







Learning & Work



First week

- Get familiar with the Matlab and Simulink
- Learn the method to build a simple GUI
- Finish the Control Panel of the Graphic Display Interface
- Save the initial parameters to workspace

Learning & Work



Why Matlab GUI?

- The simulink module
- The large amount of computation and visualization tools
- The open programming environment

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Learning & Work



Second week

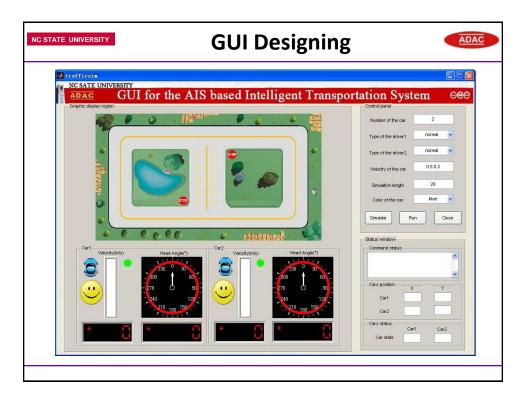
- Extract the simulation result to the workspace for GUI to display
- Develop the Status Window of the Graphic Display Interface
- Begin to work on the Graphic Display Region

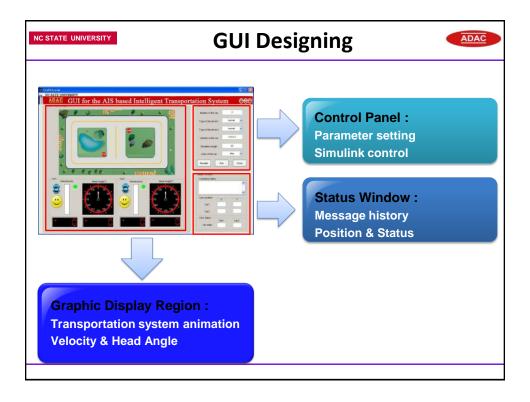
Learning & Work

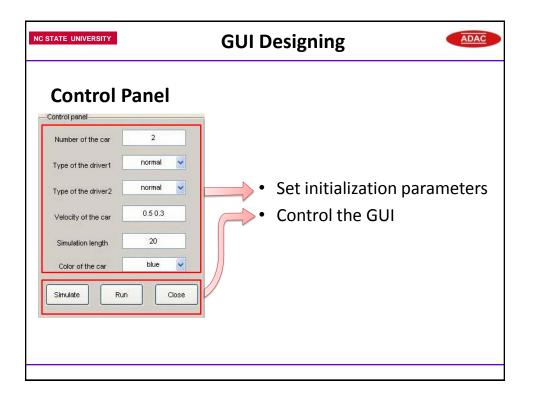


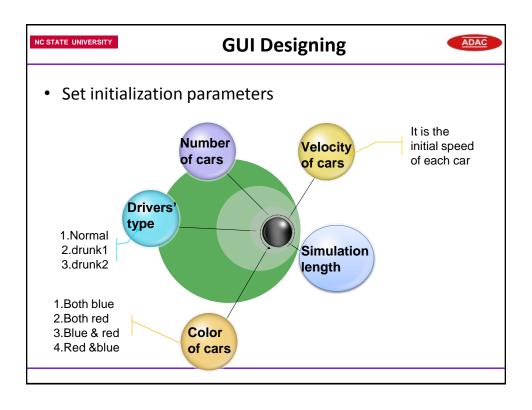
Third week

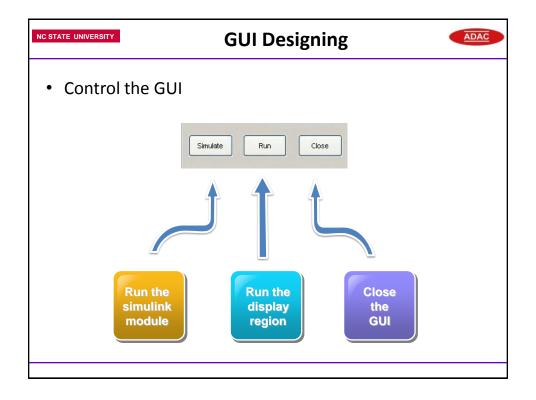
- Improve the outlook of the GUI
- Display the cars with moving pictures
- Display the velocity of the car with a speed bar
- Display the head angle of the car with a dial
- Add a pop up box for simulation

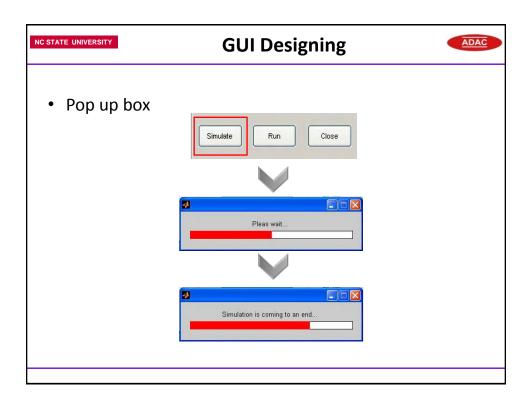


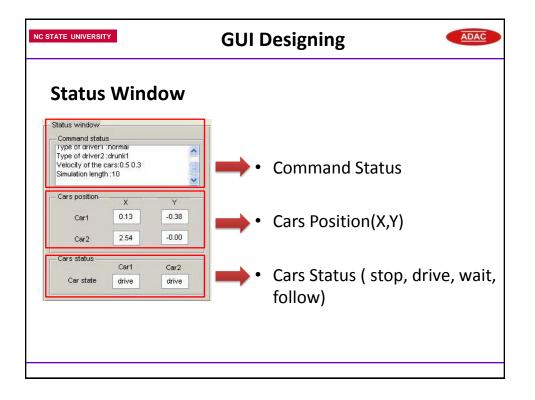


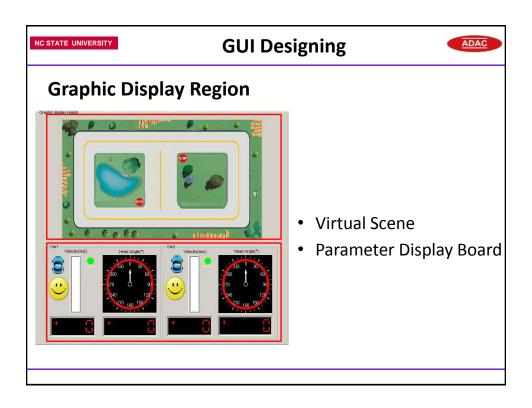


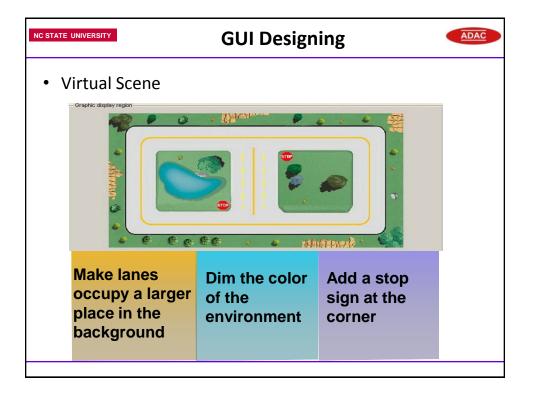








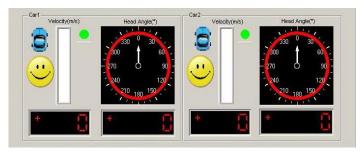




GUI Designing



Parameter Display Board



- The velocity of the car in real time
- The head angle of each car
- Symbols to help analyze

