

# **Minutes of General AutoDrive Meeting for 1/17/2025 - Spring 25 Week 1**

## **a. Background**

North Carolina A&T State University (NCAT) participates in SAE International's student project to develop solutions for tomorrow's self-driving cars. The NCAT team, Aggies Autonomous Auto (A3), meets on a weekly schedule. Meetings are held to coordinate team efforts toward the successful execution of yearly deliverables. This particular meeting was held both in-person/virtually on January 17, 2025, via the Zoom platform for a one (1) hour duration, specifically from **10:00 am - 11:00 am**. The meeting agenda was set by the team captain.

## **b. Attendees**

In attendance for the **January 17, 2025**, meeting were the following people:

- Dr. Younho Seong (Faculty)
- Clement Alabi (Project Manager)
- Hossam Eldin ElSherif (Project Manager)
- Lamadia Brewington (Project Manager)
- Safwat Shenouda (Team Member)
- Tunji Ademola (V2X Lead)
- Byron Hall (Dynamic PM)
- Issa Al-Mhoud
- Kemani White (Team Member)
- M A Muktadir (Faculty)
- Sally Acquah (HMI)
- Yoo-Sang Chang (Faculty)

## **c. Agenda**

- Updates from Team Leads
- Open Forum
- Closing Remarks

## **d. Main Points of Discussion**

### **Meeting Began (10:03 am)**

Clement Alabi opened the meeting with a welcome and introduction.

### **Perception Team Update (10:05 am)**

- **Radar Status:**
  - Testing with three external radars.

- One radar is in a box, another in the trunk, and the location of the third is unknown.
- **Cable Management:**
  - Cable organization has been challenging and needs to be resolved this semester.
  - Oscar will work on finalizing the component list and organizing cables.
  - The team plans to meet on Monday to discuss cable management tasks.
- **Rack Installation:**
  - Safwat suggested completing a wiring diagram before rack delivery.
  - Tunji proposed installing cables on the rack once it is complete.
  - Hossam Eldin emphasized the need to clear the trunk before proceeding with rack setup.
  - Byron is scheduling biweekly dynamic team meetings and including the safety team to track component progress.
- **Action Items:**
  - Oscar will begin rack assembly.
  - Safwat, Oscar, and Tunji will discuss plans starting Monday.

#### **Dynamic Team Update (10:25 am)**

- Working on a controller.

#### **Oscar's Update (10:28 am)**

- Preparing to order the BOM for the rack.
- Rack assembly is estimated to take a short time and fits well in the trunk.

#### **Tunji's Update (10:30 am)**

- Awaiting feedback from the SAE team.
- Michael suggested referencing last year's rubric for guidance.

#### **Route Planning Team Update (10:38 am)**

- Byron met with Tesla to discuss populating maps for the A\* algorithm.
- Gantt chart and JSON chart updates are in progress.
- The team plans to meet in the AutoDrive lab to align the next steps.

#### **Static Team Update (10:41 am)**

- Azeez shared updates on static team tasks.

#### **Safety Team Update (10:43 am)**

- Updated use case sheets and associated safety goals.
- Revised FIA, PHA, and SEFA forms.

### **Meeting End (10:59 am)**

- Dr. Yi asked for closing remarks or questions.
- Deadline for the safety report: **April 1, 2025**.

## **e. Conclusion/Takeaways/Deliverables**

### **General**

- Teams to focus on completing weekly deliverables.

### **Perception Team**

- Begin cable management and rack assembly on Monday.
- Complete the wiring diagram before rack delivery.

### **Dynamic Team**

- Continue work on controller updates.

### **Route Planning Team**

- Update Gantt and JSON charts.
- Follow up on the next steps from Tesla discussions.

### **Static Team**

- Continue onboarding and updating static deliverables.

### **Safety Team**

- Ensure all safety-related documentation is updated and ready for the April 1 deadline.