Unit 1

| Lesson Plan | | | |
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| Name: | [Zane Nodu](mailto:zanemvula.mihali.nodu@wayve.ai) | | |
| Job Title: | Autonomous Vehicle Safety Operator (AVSO) | | |

| Date: | 11/04/24 | | |
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| Aim:  *(Overall goal?)* | Complete all Learning Outcomes required for Unit 1:   1. LO1 Drive an electric vehicle safely. 2. LO2 Prepare and drive an electric vehicle safely to a high standard. 3. LO3 Prepare and drive an autonomous vehicle in data collection. | | |
| Objective:  *(Steps taken to reach that goal?)* | 1. Undergo a high standard driving test to show your professionalism and ability to drive to the standards required here at Wayve 2. Be shown how to conduct a BUI of a vehicle and ensure its roadworthiness before heading out onto the road. 3. You will use your understanding of the systems to set up, and safely conduct a DC run to our closed road test site. | | |
| Session:  *(What are you planning to do? What resources did you use?)* | Today you will be working towards successful completion of LO3.  You will learn how to correctly set up the vehicle in Data Collection mode and plot a route to the test site.  You will follow the sat nav correctly and ensure a high standard of driving is maintained throughout your time on the road | | |
|
| Trainer  Feedback:  *(What Went Well & Areas Of Improvement)* | Good example of high standard driving today, Zane maintained good all round observations with consistent mirror checks. He was always aware of his surroundings which allowed him the time to forward plan.  We discussed keeping left at all times when on the motorway and Zan instantly took this on-board and began doing so. We spoke about ensuring we don’t go too wide at junctions when turning, to ensure the model isn’t trained to do this.  Overall, successful testing with some points discussed to carry onto open-road testing.  Learning points:   * Tighten up your turning * Keep left where possible driving along the motorway | | |
| Learner Self-Reflection: | When I first used the vehicle (BUI) systems to start operating it before inspection, I felt at ease. The instructions given to me were clear, and I had enough time to practice. I appreciated the guidance provided, as it helped me understand how to use the systems effectively. Overall, the experience was smooth and stress-free, thanks to the clear instructions and ample practice time. | | |
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Unit 2

| Lesson Plan | | | |
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| Name: | [Zane Nodu](mailto:zanemvula.mihali.nodu@wayve.ai) | | |
| Job Title: | Autonomous Vehicle Safety Operator (AVSO) | | |

| Date: | 12/04/24 | | |
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| Aim:  *(Overall goal?)* | Complete all Learning Outcomes required for Unit 2: 1. LO1 Prepare an autonomous vehicle for safe operation in a Closed Road Testing 2. LO2 Operate an autonomous vehicle in a Closed Road Testing environment | | |
| Objective:  *(Steps taken to reach that goal?)* | - Attend a Closed Road Testing (CRT) site and conduct Autonomous driving - Work through the required steps needed to setup a Autonomous Feature Test (AFT) test on the UI - Learn and put into practise the methods of intervening with the system - Safely carry out an AFT | | |
| Session:  *(What are you planning to do? What resources did you use?)* | Today you will attend the test site and we will show you how to set up an AFT through the steps required on the UI.  We will show you the areas we use on the site to ensure your understanding of the different areas.  We will have discussions around Interventions with the systems and carry out a couple of tes circuits s to make sure you are comfortable operating the system, that you feel in control to intervene with the system if necessary and we will start to build up your confidence | | |
|
| Trainer  Feedback:  *(What Went Well & Areas Of Improvement)* | Zane showed a successful ability to operate the gamepad today and a good performance in Autonomy.  Initially Zane was letting the model run a little too far over the white lines but by the end of testing, these interventions were correct and well timed. Zane intervened safely using all techniques and no concerns were raised for him to go forward and start open-road testing.  Learning points:   * Continue to intervene the moment the model does something you as a driver wouldn’t * Focus on making sure observations are carried out when driving along | | |
| Learner Self-Reflection: | I followed precise directions and utilised extensive knowledge acquired during my observation period to successfully complete the assigned task. | | |

[[1]](#footnote-0)

Unit 3.1

| Lesson Plan | | | |
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| Name: | [Zane Nodu](mailto:zanemvula.mihali.nodu@wayve.ai) | | |
| Job Title: | Autonomous Vehicle Safety Operator (AVSO) | | |

| Date: |  | | |
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| Aim:  *(Overall goal?)* | Complete all Learning Outcomes required for Unit 3: 1. LO1 Prepare an autonomous vehicle for safe operation in a Open Road Testing 2. LO2 Operate an autonomous vehicle in a Open Road Testing environment | | |
| Objective:  *(Steps taken to reach that goal?)* | - Head to Sommers Town to learn about on road testing. - You will be shown how to correctly setup an AFT for an Open Road Test, using the UI. - You will have the opportunity to demonstrate your ability to safely conduct testing. | | |
| Session:  *(What are you planning to do? What resources did you use?)* | During this session you will head out to Sommers Town and following successful competence at these test sites, you will conduct a Cali V2 test route. These environments will help you to further develop your skills as an AVSO. You will be shown how to set up an AFT, how to manually plot a route/load one from the UI pre planned maps and carry out a AFT of this route. | | |
|
| Trainer  Feedback:  *(What Went Well & Areas Of Improvement)* | AM- Good initial open-road testing with good observations maintained throughout.  Zane had a good eye for safety when the model began to get too close to a parked vehicle. As testing continued throughout the day, Zane’s performance began to improve. He is demonstrating good qualities in becoming an AVSO.   Intervening when the model did something Zane as a driver wouldn’t do, he took over. This is exactly the behaviour we need to see from all our drivers and would be good to see him maintain this feeling.  We had a difficult late break approaching a zebra crossing where the person wasn’t showing signs they were going to cross. Zan reacted quickly to it and, although across the crossing, the best action was carried out as to not endanger the pedestrian  Learning points:   * Work on forward planning, looking and thinking further for potential hazards. * Tighten up your turns when intervening/driving DC. | | |
| Learner Self-Reflection: | With extensive practice and careful observation, I developed a strong sense of ease while operating the AV. | | |

Unit 3.2

| Lesson Plan | | | |
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| Name: | [Zane Nodu](mailto:zanemvula.mihali.nodu@wayve.ai) | | |
| Job Title: | Autonomous Vehicle Safety Operator (AVSO) | | |

| Date: |  | | |
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| Aim:  *(Overall goal?)* | 1. Conduct testing on Alpha Routes and Crouch End 2. Improve to the Driving standards required, ready for Unit 3 Assessment | | |
| Objective:  *(Steps taken to reach that goal?)* | - Have a discussion about the Driving standards required here at Wayve - Successfully demonstrate the required driving standards during AV testing.  - Expand routes to Alpha 1, 2 and Crouch End | | |
| Session:  *(What are you planning to do? What resources did you use?)* | During this session, Learners will head out and start conducting testing on Alpha, 1, 2 and Crouch end testing routes.  This session will continue with the development of your AVSO skills, changing to a more complex environment and maintaining Autonomous Driving for longer distances. | | |
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| Trainer  Feedback:  *(What Went Well & Areas Of Improvement)* | AM-  PM-  Learning points: | | |
| Learner Self-Reflection: |  | | |

Unit 3.3

| Lesson Plan | | | |
| --- | --- | --- | --- |
| Name: | [Zane Nodu](mailto:zanemvula.mihali.nodu@wayve.ai) | | |
| Job Title: | Autonomous Vehicle Safety Operator (AVSO) | | |

| Date: |  | | |
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| Aim:  *(Overall goal?)* | 1. Conduct testing on Finsbury Park and Upper Holloway routes 2. Increase testing speeds up to 30 and 40mph 3. Improve to the Driving standards required, ready for Unit 3 Assessment | | |
| Objective:  *(Steps taken to reach that goal?)* | - Successfully demonstrate the required driving standards during AV testing.  - Expand routes to Finsbury Park and Upper Holloway - Explore routes which use 30 and 40mph speed limits | | |
| Session:  *(What are you planning to do? What resources did you use?)* | During this session, Learners will head out and start conducting testing on Finsbury Park and Upper Holloway testing routes.  This session will continue with the development of your AVSO skills, changing to a more complex environment and maintaining Autonomous Driving for longer distances. | | |
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| Trainer  Feedback:  *(What Went Well & Areas Of Improvement)* | AM-  PM-  Learning points: | | |
| Learner Self-Reflection: |  | | |

Unit 3.4

| Lesson Plan | | | |
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| Name: | [Zane Nodu](mailto:zanemvula.mihali.nodu@wayve.ai) | | |
| Job Title: | Autonomous Vehicle Safety Operator (AVSO) | | |
| Date: |  | | |
| Aim:  *(Overall goal?)* | 1. Conduct testing on a Euston Route  2. Further show your ability to operate the Autonomous vehicle systems by conducting ‘Solo testing’ on our ALR routes. | | |
| Objective:  *(Steps taken to reach that goal?)* | - Expand routes to Euston Road  - Showcase your ability to successfully carry out testing of an autonomous vehicle when driving ‘solo’ | | |
| Session:  *(What are you planning to do? What resources did you use?)* | You will continue to develop your knowledge of more routes by conducting testing on the level 4 Euston route.  All being well that the learner has shown a successful ability to control the AV system to the required standard, they will now be able to head out and conduct ‘Solo On-road testing’. This will be a mixture of routes covered during their training, Alpha routes up to ALR’s. | | |
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| Trainer  Feedback:  *(What Went Well & Areas Of Improvement)* | AM-  PM-  Learning points: | | |
| Learner Self-Reflection: |  | | |

| Lesson Plan | | | |
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| Name: | [Zane Nodu](mailto:zanemvula.mihali.nodu@wayve.ai) | | |
| Job Title: | Autonomous Vehicle Safety Operator (AVSO) | | |

| Date: | 18/03/24 | | |
| --- | --- | --- | --- |
| Aim:  *(Overall goal?)* | - Conduct testing on Cali V2 routes and build up to Alpha routes - Improve to the Driving standards required, ready for Unit 3 Assessment | | |
| Objective:  *(Steps taken to reach that goal?)* | - Have a discussion about the Driving standards required here at Wayve - Successfully demonstrate the required driving standards during AV testing.  - Expand routes to Cali V2, and Alpha Lane routes | | |
| Session:  *(What are you planning to do? What resources did you use?)* | During this session, Learners will head out and start conducting testing on Alpha, 1, 2 and Crouch end testing routes.  This session will continue with the development of your AVSO skills, changing to a more complex environment and maintaining Autonomous Driving for longer distances. | | |
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| Trainer  Feedback:  *(What Went Well & Areas Of Improvement)* |  | | |
| Learner Self-Reflection: |  | | |

1. New Starter Training 02/08/23 [↑](#footnote-ref-0)