Unit 1

| Lesson Plan | | | |
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| Name: | [Samir Mosawi](mailto:samir.mosawi@wayve.ai) | | |
| Job Title: | Autonomous Vehicle Safety Operator (AVSO) | | |

| Date: | 11/04/24 | | |
| --- | --- | --- | --- |
| 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 | | |
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| Trainer  Feedback:  *(What Went Well & Areas Of Improvement)* | Very good high standard drive, great all round observations observed and consistent hand position maintained on the steering wheel.  Well don Samir, keep maintaining these standards  Learning points: | | |
| Learner Self-Reflection: | Was really impressed with the models today. Compared to millbrook I have improved in timing the start of AV mode, accidentals have reduced. Remembering to wait for the 2 sets of beeps to finish then say the taxonomy is something i can improve on. | | |

Unit 2

| Lesson Plan | | | |
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| Name: | [Samir Mosawi](mailto:samir.mosawi@wayve.ai) | | |
| Job Title: | Autonomous Vehicle Safety Operator (AVSO) | | |

| Date: | 11/04/24 | | |
| --- | --- | --- | --- |
| 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)* | Samir showed a great ability to pick up AFT testing. After a number of accidental Interventions to begin with, he started to get a good understanding of the system and how to smoothly interact with it.   Good understanding of the Gamepad check, he consistently ran through it with ease.  During testing we talked about the need to interact the moment the model does something you as a driver wouldn’t and this started to happen sooner with each run.  Learning points:   * Maintain good observations * Intervene the moment you feel something isn’t right and not wait for a correction. | | |
| Learner Self-Reflection: | First time in AV took some time to get use to. Had a lot of accidentals but slowly got better. Need to learn to maintain observations, remember to check blind spots. | | |

[[1]](#footnote-0)

Unit 3.1

| Lesson Plan | | | |
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| Name: | [Samir Mosawi](mailto:samir.mosawi@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)* | Today Samir moved onto open-road testing and produced some great runs and shown an excellent ability to safely operate the system.  Samir first was engaging a little late and following a discussion, these interventions started to happen sooner. We talked about not getting sucked into the front screen and making sure we continue to observe our surroundings.  By the end of the day, Samir was conducting low level free plot routes and showed a good ability to safely operate in both this, and a caliV2 route.  Well done Samir, maintain and build upon this level further  Learning points:   * Keep observations consistent when driving along * Listen to that feeling inside and intervene the moment its not doing what you as a driver would do | | |
| Learner Self-Reflection: | Was really good to be on the road with live obstacles and hazards. Started off with level 1 Summers town route, after getting comfortable we then moved off to level 2 routes and free plotting. By the end of the day I feel really comfortable with driving AV. | | |

Unit 3.2

| Lesson Plan | | | |
| --- | --- | --- | --- |
| Name: | [Samir Mosawi](mailto:samir.mosawi@wayve.ai) | | |
| Job Title: | Autonomous Vehicle Safety Operator (AVSO) | | |

| Date: |  | | |
| --- | --- | --- | --- |
| 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: | [Samir Mosawi](mailto:samir.mosawi@wayve.ai) | | |
| Job Title: | Autonomous Vehicle Safety Operator (AVSO) | | |

| Date: |  | | |
| --- | --- | --- | --- |
| 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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|  | [Samir Mosawi](mailto:samir.mosawi@wayve.ai) | | |
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| Name: | Learner 1 | | |
| 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 | | | |
| --- | --- | --- | --- |
| Name: | [Samir Mosawi](mailto:samir.mosawi@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)