Work Breakdown Structure (WBS)

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| Task Name | Duration | Start | Finish |
| Diesel Truck Project |  |  |  |
| **Planning** | **10 days** | **Fri 6/9/17** | **Thu 6/22/17** |
| Develop Project Charter | 3 days | Thu 6/22/17 | Fri 6/24/17 |
| Create Management Plan | 3 days  | Thu 6/22/17 | Fri 6/24/17 |
| Set Goals | 2 days | Fri 6/23/17 | Mon 6/26/17 |
| Perform Research | 10 days | Mon 6/26/17 | Fri 7/7/17 |
| Scope documentation | 4 days | Fri 7/7/17 | Wed 7/12/17 |
| Scope approval | 23 days | Sat 7/8/17 | Tue 8/8/17 |
| Reviews and approves Deliverables | 2 days  | Wed 8/9/17 | Thu 8/10/17 |
| Documents, test, and train efforts related to project plan | 223 days | 6/9/17 | 4/17/18 |
| Conducts risk analysis | 5 days  | Mon 8/13/17 | Fri 8/17/17 |
| Review of overall Plan | 10 days  | Fri 8/18/17 | Thu 8/31/17 |
| **System Development** | **35 days** | **Tue 7/11/17** | **Mon 8/28/17** |
| Kick off Meeting | 3 days | Tue 7/11/17 | Thu 7/13/17 |
| Architecture | 10 days | Thu 7/13/17 | Wed 7/26/17 |
| Function | 10 days | Thu 7/13/17 | Wed 7/26/17 |
| Interface | 10 days | Mon 7/24/17 | Fri 8/4/17 |
| Subsystem | 10 days | Fri 8/4/17 | Thu 8/17/17 |
| Component | 10 days | Fri 8/4/17 | Thu 8/17/17 |
| Model | 20 days | Fri 8/4/17 | Thu 8/31/17 |
| Requirements analysis  | 30 days  | Fri 8/25/17 | Mon 9/25/17 |
| Documentation  | 30 days  | Fri 8/25/17 | Mon 9/25/17 |
| final approval | 35 days | Thu 8/31/17 | Wed 10/18/17 |
| **Prototype** | **59 days** | **Mon 10/16/17** | **Wed 1/3/18** |
|  |  |  |  |
| Paper prototype | 2 days  | Mon 10/16/17 | Wed 10/18/17 |
| Virtual Prototype | 3 days  | Wed 10/18/17 | Fri 10/20/17 |
| Procurement  | 40 days  | Wed 10/20/17 | Tues/12/17 |
| Assembly | 15 days  | Wed 10/18/17 | Tues 11/7/17 |
| Testing  | 15 days  | Tues 11/7/17 | Mon 11/27/17 |
|  quality control inspection | 5 days | Tue 11/7/17 | Mon 11/13/17 |
|  laboratory testing | 10 days | Mon 11/13/17 | Fri 11/24/17 |
| Documentation  | 5 days | Mon 11/13/17 | Fri 11/17/17 |
| Review | 5 days | Mon 11/13/17 | Fri 11/17/17 |
| **Integration** | **98 days** | **Wed 10/18/17** | **Fri 3/2/18** |
| Develop Project Charter | 5 days  | Mon 10/18/17 | Fri 10/22/17 |
| Develop Management Plan | 5 days  | Mon 10/18/17 | Fri 10/22/17 |
| 8-12 vehicles | 40 days | Wed 10/20/17 | Tue 12/12/17 |
| Testing | 90 days | Wed 10/20/17 | Tue 2/20/18 |
| Maintenance | 7 days | Wed 10/25/17 | Thu 11/2/17 |
| Review | 1 day | Wed 10/25/17 | Wed 10/25/17 |
| documentation | 1 day | Wed 10/25/17 | Wed 10/25/17 |
| final test | 5 days | Fri 3/2/18 | Tue 3/6/18 |
| Close project | 1 day  | Tue 3/6/18 | Tue 3/6/18 |
| recommendations | 2 days | Wed 3/7/18 | Thu 3/8/18 |
| **Testing** | **1 day** | **Thu 3/8/18** | **Thu 3/8/18** |
| Laboratory on Wheels | 5 days | Thu 3/8/18 | Wed 3/14/18 |
| Vehicles to determine | 5 days | Wed 3/14/18 | Tue 3/20/18 |
| research verification | 8 days | Tue 3/20/18 | Thu 3/29/18 |
| road testing | 5 days | Thu 3/29/18 | Wed 4/4/18 |
| procedure development | 10 days | Thu 3/29/18 | Wed 4/11/18 |
| plan review | 5 days | Wed 4/11/18 | Tue 4/17/18 |
| instrumentation design | 15 days | Tue 11/14/17 | Mon 12/4/17 |
| instrumentation RFP | 21 days | Wed 11/8/17 | Wed 12/6/17 |
| instrumentation acquisition | 30 days | Mon 10/30/17 | Fri 12/8/17 |
| documentation | 8 days | Mon 10/30/17 | Wed 11/8/17 |
| Review | 2 days | Fri 12/8/17 | Mon 12/11/17 |