Agile plan for three months

Project: APS

Authors: Marina Nikolic, Miroslav Misljenovic

Team leads (teams):

* Marina Nikolic (RT-RK)
* Miroslav Misljenovic (MATF)
* Milos Stojanovic (EED)
* Djordje Pesic (OBLO)
* Jovan Petrovic (TTTech)

Sprint:

* Generate reports on road conditions in Serbia
* Finish algorithm design, analysis and documentation for three systems
* Implement first version of each system (unoptimized, untested)
* Test first version of one sensor per system
* Handle deadline breaking issues
* Publish two papers, as part of dissemination

Project start: 01.01.2018.

Trello collaboration:

* <https://trello.com/aps34>

Trello boards:

* <https://trello.com/b/Q5gGvZvC/12th-month>
* <https://trello.com/b/tX1xRo64/13th-month>
* <https://trello.com/b/ZxFR0M3k/14th-month>

12th month: December, 2018

Cross-section of the situation on day: 12.12.2018.

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| WP  number | WP  name | Task  number | Task  description | Team | Team lead | Status on date of  cross-section | Start date | Due date |
| 4 | Detailed study on road conditions in Serbia | T1 | Generate statistical and detailed reports on damages of roads in Serbia | RT-RK | Marina  Nikolic | WIP | 1.12 | 20.12 |
| T2 | Generate statistical and detailed reports on quality of line markings  of roads in Serbia | WIP | 1.12 | 15.12 |
| T3 | Generate report on sections of roads  in Serbia with inadequate lighting | Done | 1.12 | 10.12 |
| 5 | Software implementation | T4 | Finish algorithm  for damage recognition system | MATF | Miroslav  Misljenovic | Done | 1.12 | 7.12 |
| T5 | Finish algorithm  for side-line following system | Done | 1.12 | 7.12 |
| T6 | Finish algorithm  for car distance and speed system | Done | 1.12 | 7.12 |
| T7 | Analysis of algorithms  for damage recognition system | WIP | 8.12 | 15.12 |
| T8 | Analysis of algorithms  for side-line following system | WIP | 8.12 | 15.12 |
| T9 | Analysis of algorithms  for car distance and speed system | WIP | 8.12 | 15.12 |
| T10 | Generate documentation on algorithms for damage recognition system | To do | 16.12 | 19.12 |
| T11 | Generate documentation on algorithms for side-line following system | To do | 16.12 | 19.12 |
| T12 | Generate documentation on algorithms for car distance and speed system | To do | 16.12 | 19.12 |
| T13 | Implementation of improvement  for visibility sensor | EED | Milos Stojanovic | To do | 20.12 | 30.12 |
| T14 | Implementation of improvement  for line visibility sensor | To do | 20.12 | 30.12 |
| T15 | Implementation of improvement  for recognition of car shapes in Serbia and distance between them | To do | 20.12 | 30.12 |

13th month: January, 2019

Cross-section of the situation on day: 18.1.2019.

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| WP  number | WP  name | Task  number | Task  Description | Team | Team lead | Status on date of  cross-section | Start date | Due date |
| 0 | Project Management | T1 | Coordinate dependency between tasks and mitigate consequences of block  in case of problems | TTTech | Jovan  Petrovic | WIP | 1.1 | 31.1 |
| 5 | Software implementation | T2 | Implementation of improvement  for recognition of road damages  shape and size | EED | Milos  Stojanovic | Blocked  Until done:  T1, December | 1.1 | 15.1 |
| T3 | Implementation of improvement  for calculating distance  between side-lines | WIP | 5.1 | 20.1 |
| T4 | Implementation of improvement  for calculating optimal distance  from cars in front and behind | WIP | 10.1 | 25.1 |
| 6 | Testing | T5 | Test improvement  for visibility sensor | OBLO | Djordje  Pesic | WIP | 15.1 | 20.1 |
| T6 | Test improvement  for line visibility sensor | Blocked  Until done:  T13, December | 15.1 | 20.1 |
| T7 | Test improvement  for recognition of cars shapes in Serbia and distance between them | To do | 20.1 | 28.1 |
| 7 | Dissemination | T8 | Publish one paper in Top Gear | RT-RK | Marina  Nikolic | Done | 5.1 | 10.1 |

14th month: February, 2019

Cross-section of the situation on day: 11.2.2019.

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| WP  number | WP  name | Task  number | Task  description | Team | Team lead | Status on date of  cross-section | Start date | Due date |
| 0 | Project Management | T1 | Coordinate dependency between tasks and mitigate consequences of block  in case of problems | TTTech | Jovan  Petrovic | WIP | 1.2 | 28.2 |
| 5 | Software implementation | T2 | Implementation of improvement  for road damages avoiding system | EED | Milos  Stojanovic | Done | 1.2 | 12.2 |
| T3 | Implementation of improvement  for calculating optimal distance  from side-lines | WIP | 8.2 | 20.2 |
| T4 | Implementation of improvement  for speed system  for maintaining distance | To do | 13.2 | 25.2 |
| 7 | Dissemination | T5 | Publish one paper in Road & Track | RT-RK | Marina  Nikolic | Done | 5.2. | 10.2 |