IDP GANTT CHART

| TITLE | IDP | TEAM NAME | root g |
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| PM | Akash | DATE | 26/01/21 |

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| | | | | WEEK 1 WEEK 2 | | | | | WEEK 3 | | | | | | | | | WEEK 4 | | | | | WEEK 5 | | | | | | | | | | | |
| | | Т | F | S | s | М | Т | w | Т | F | s | s N | vi 1 | r w | Т | F | s | s | М | т | w | Т | F | s | s | М | Т | w | T F | = 5 | s | М | Т | W |
| 1 | Project Onboarding | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.1 | Setup Version Control | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.2 | Get started with Webots | | | | | | | | | " | | | | | | | | | | | | | | | | | | · | | | | | | |
| 1.3 | Initial design | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Software | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.1 | Initial algorithm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.2 | Interface to electronics | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.3 | Sensor modules | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.4 | Block detection | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.5 | Navigation + Mapping | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.6 | Collision avoidance | | | | | | | | | | | | | | | | | | | | | | | | | | | · | | | | | | |
| 2.7 | Testing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ë | | |
| 2.8 | Documentation | | | | | | Ξ | | | | | | ١, | <u> </u> | | | | | | פֿ | | _ | | | | | Ę | Ē | | | | nta | | |
| 3 | Electronics | | | | | | First Presentation | | ۲ | | | | | Progress Meeting | | | | | | Progress Meeting | | First Competition | | | | | Final Presentation | Final Competition | | | | Final Report + Documentation | | |
| 3.1 | System diagrams | | | | | | sen | | Report | | | | | Ž | | | | | | ž | ٦ | mpe | | | | | sen | m m | | | | 8 | Г | T |
| 3.2 | Choice of sensors + actuators | | | | | | Pre | | First | | | | | ë | | | | | | ress | | និ | | | | | P P | ខិ | | | | ÷ | | |
| 3.3 | Eagle schematics | | | | | | irst | | ᄄ | | | | | 5 | | | | | | rog | | irst | | | | | <u>na</u> | ina | | | | ode | | |
| 3.4 | Testing | | | | | | ш | | | | | | • | _ | | | | | | • | | ш | | | | | щ. | ш | | | | ě | | |
| 3.5 | Documentation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Ë | | |
| 4 | Mechanical | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.1 | Initial design | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.2 | Solidworks sketches | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.3 | Simplified bots in Webots | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.4 | Documentation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | Simulation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5.1 | Arena and bots with arrow key control | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5.2 | Robots | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5.3 | Sensors | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5.4 | Controller | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5.5 | Documentation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |