**Study and Research Plan**

1. **Study Plan**

Study SLAM for 5 months

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Activities | Month | | | | |
| 4 | 5 | 6 | 7 | 8 |
| video SLAM course |  |  |  |  |  |
| Reading book: “SLAM Dummies” |  |  |  |  |  |
| Reading article |  |  |  |  |  |
| Reading ROS |  |  |  |  |  |
| Study and implement algorithm |  |  |  |  |  |

**Documentations**:

SLAM Course: [SLAM-Course - 00 - Course Introduction (2013/14; Cyrill Stachniss) - YouTube](https://www.youtube.com/watch?v=U6vr3iNrwRA&list=PLgnQpQtFTOGQrZ4O5QzbIHgl3b1JHimN_&index=1&ab_channel=CyrillStachniss)

SLAM for Dummies Book: [Microsoft Word - SLAM for Dummies.doc (mit.edu)](https://dspace.mit.edu/bitstream/handle/1721.1/119149/16-412j-spring-2005/contents/projects/1aslam_blas_repo.pdf?fbclid=IwAR1RxXx91sRm1P1vDiH09y_J2utbE_Udrlj6o04lM2uYa8hQsu1pxvJX8Rc)

Article:

ROS:

Study and Implement Algorithm: <https://www.geeksforgeeks.org/>

1. **Research Plan**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Activities | 2023 | | | | 2024 | | | | | | | | | | | |
| 9 | 10 | 11 | 12 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| Reading project requirements |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Seek the relative technologies |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1st idea implementation |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Data collection |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Manuscript preparation |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Research presentation |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2nd idea implementation |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Data collection |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Manuscript preparation |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Research presentation |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Research Extension & Others |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |