Study and Research Plans

I.   Study Plan (5 months from 04-08/2023)

Activities	Month				
	04/2023	05/2023	06/2023	07/2023	082023
Study SLAM video course [1]	▓				
Read "SLAM for Dummies" book [2]		▓			
Study Programming for Robotics course [3] Read article and papers about SLAM			▓		
Study SLAM simulation tools Implement and experiment SLAM algorithms				▓	▓

Resources:

[1] SLAM Course, by University of Freiburg

http://ais.informatik.uni-freiburg.de/teaching/ws13/mapping/index_en.php

[2] SLAM for Dummies, Søren Riisgaard and Morten Rufus Blas, MIT.

https://dspace.mit.edu/bitstream/handle/1721.1/119149/16-412j-spring-2005/contents/projects/1aslam_blas_repo.pdf

[3] Programming for Robotics, by ETH Zurich

https://rsl.ethz.ch/education-students/lectures/ros.html

II.   Research Plan

Activities	Year 1	Year 2	Year 3	Year 4	Year 5
- Study research methodologies - Study project requirements - Study the state of the art - Study algorithms and tools in lab - Contribute to lab's projects	▓				
- Study applications of deep learning in SLAM - Find the 1st research idea - Implementation and evaluation - 1st manuscript preparation		▓			
- Continue explore research trend - Find the 2nd research idea - Implementation and evaluation - 2nd manuscript preparation			▓		
- Continue explore research trend - Find the 3rd research idea - Implementation and evaluation - 3rd manuscript preparation				▓	
- Find the 4th research idea - Implementation and evaluation - 4th manuscript preparation - Dissertation preparation					▓