

	Goal	Task	Deliverables
June 29 - July 3	Review related papers	Review the related work on this topic	A report on related work
July 6 - 10	Review 3D state space model	Extend 2D model to 3D model	A report on 3D state space model
July 13 - 17	BOEM simulation with dead-reckoning	Construct the simulation environment	The DR result gets better when the error becomes smaller.
July 20 - 24	Visual input	Establish the visual input	A demo can transform image into geometry information
July 27 - 31	BOEM simulation - NLS SLAM	Construct the NLS simulation for comparison	The NLS result should be better than that of DR.
Aug. 3 - 7	BOEM simulation - EM/BOEM SLAM	Verify the algorithm with artificial landmarks	The EM/BOEM results should be comparable to that of NLS.
Aug. 10 - 14	EuRoC dataset demo with dead-reckoning	Setup the EuRoC demo	A demo with dead-reckoning
Aug. 17 - 21	Handling visual input	Establish the visual input	A demo can transform image into geometry information
Aug. 24 - 28	EuRoC dataset demo - NLS SLAM	Construct the NLS simulation for comparison	The NLS result should be better than that of DR.
Aug. 31 - Sept. 4	EuRoC dataset demo - EM/BOEM SLAM	Verify the algorithm in this dataset	The EM/BOEM results should be comparable to that of NLS.