DAY	TASKS
07/20/2016	-
07/21/2016	Started to read the papers. Installed softwares that I didn't have.
07/22/2016	Finished matlab implementation of Tausworthe URNG. Verified the working of the Box-Muller algorithm using the built in logarithm, cosine and square root functions. Continued with the reading of the paper.
07/23/2016	Obtained the coefficients of the piecewise polynomial for the different functions. Implemented the functions in MATLAB for logarithm , cosine and square root according to the paper.
07/24/2016	Implemented the AWGN verification code and bit vector generation files. Started with the implementation of the Tausworthe URNG.
07/25/2016	Verified the functionality the Tausworthe URNG. Started with the implementation of other supporting modules
07/26/2016	Continued with the implementation of the supporting modules like barrel shifters, leading zero detectors, etc.
07/27/2016	Implemented the square root module, cosine module. Verified their working.
07/28/2016	Implemented the Logarithm module. Verified it's working
07/29/2016	Integrated it all together. Started with verifying overall functionality with visual inspection of simulation results to detect buds with the interlinking of different submodules
07/30/2016	-
07/31/2016	Implemented the complete testbench. It compares the results generated during simulation with those generated in the MATLAB implementation
08/01/2016	Wrote the AWGN IP documentation.
08/02/2016	Obtained GNU license. Pushed the code onto Github
08/03/2016	-