

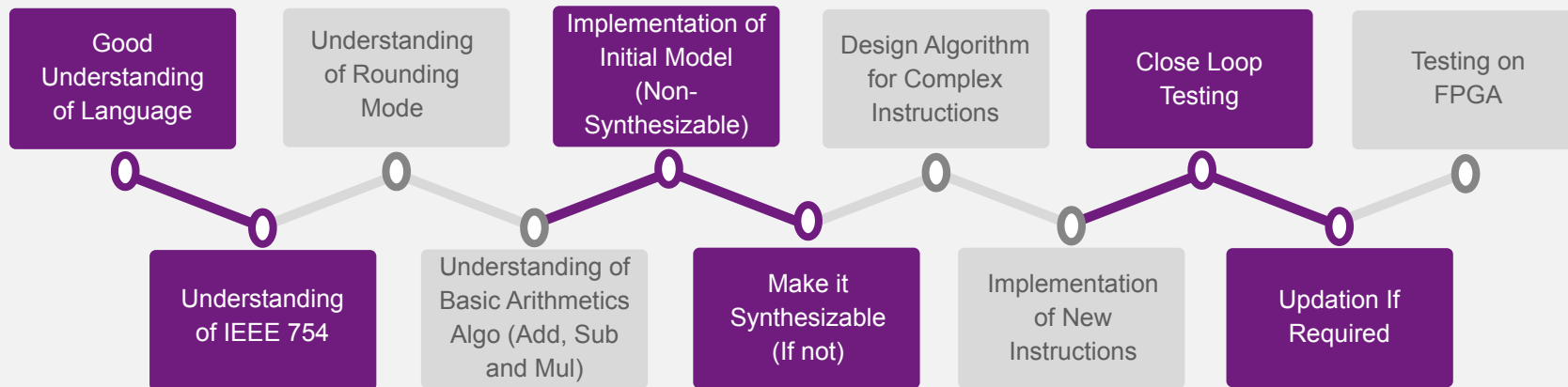


بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



(In the name of Allah, the Most Beneficent and the Most Merciful)

# Road Map to FPU (AIRS)



# DO AND DON'Ts

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- Design whole algorithm at once instead of first designing algorithm for normal numbers first and then adding logic for subnormal numbers.
- Rounding modes should be kept in mind too while designing algorithms, since addition of rounding modes can alter the algorithms.
- Algorithms must be designed directly for parameterized instructions instead of first designing algorithms for single standard and then parameterizing them. Since algorithms change a lot once parameterization is introduced.
- Algorithms must be tested through manual solving first to make sure that all corner cases and exceptions are handled effectively.