

## Design parallel batch-dynamic graph algorithms and data structures

The objectives of this project are:

1. Explore the state-of-the-art graph algorithms for various graph problems such as minimum weight spanning tree, shortest paths etc.
2. Explore the open source codes/libraries.
3. Design and implement parallel batch-dynamic graph algorithms and data structures.

Languages to be used: C/C++ using parallel frameworks openmp and CUDA

Eligibility: Strong in Programming and Data Structures in C/C++.