

CSE221: Algorithms

Lab-04

Fall 2025

Assignment-04 Links:

codeforces Invitation Link:

<https://codeforces.com/contestInvitation/be2472be1ad1cefae66955ac7e1bc1ba4925e35b>

Alternative Link: <https://codeforces.com/contests/649197>

[The alternative link will **only work** after you have successfully registered using the first link.]

Deadline: Nov 30, 2025 2:00 PM

No submission can be considered after the deadline ends.

Learning Outcome:

After completing this lab, students will be able to construct graphs using both adjacency list and adjacency matrix representations, differentiate between these forms based on their efficiency and application, and apply suitable data structures to implement and analyze graph-based problems. Students will also be able to interpret problem requirements to design appropriate graph representations and algorithms effectively.