Walchand College of Engineering, Sangli
Computer Science & Engineering
Third Year
Course: Design and analysis of algorithm Lab
Lab course coordinator:
Dr. B. F. Momin- Batch: - T6, T7, T8
Mr. Kiran P. Kamble- Batch: - T1, T2, T3, T4, T5

Week 11 Assignment

Graph algorithm

One day ACSES president decides to organize Research Symposium in WCE. He proposed his idea to all ACSES members, and all agreed on his idea.

Secretary of ACSES has ready bird view plan which contains all Symposium committees in the form of dependencies, with which proper execution of plan can be done. Table 1.1 shows committees /entities and their dependencies.

Sr. No	Committee/Entity	Dependent on
1.	Review Board	Registration, Paper, Poster
2.	Hospitality	Finance, Food
3.	Registration	Finance
4.	Finance	Approval from TEQIP coordinator
5.	Session	Review Board
6.	Approval from TEQIP coordinator	Approval from director
7.	Food	Finance

Table 1.1

Now president has divided members of ACSES into these committees/entities and he wants to tell them in which order to execute each committee/entity's task for smooth execution.

Implement an algorithm to Help ACSES president to design all possible linear order execution of committee/entity. Convert this information in the form of Dependence Graph and apply Topological sort with Discovering and Finishing time.