

Practical Assignment No. 2 (ACT)	
Title:	Karger's min-cut algorithm
Problem Statement:	Implement randomized Karger's min-cut algorithm and analyse the solution.
Objective:	To apply algorithmic strategies for solving the problems.
Outcome:	CO513.2: Analyse the solution for a given problem using different algorithms.
Software or Hardware Requirements:	Python/Java/GCC
Theory: (Write the details of given points)	<p>Need for randomized algorithms(5 points)</p> <p>Problems that can be solved using randomized algorithms(5 problems)</p> <p>randomized Karger's min-cut algorithm</p> <p>Analysis of randomized Karger's min-cut algorithm with an example</p>
Input/Datasets/Test Cases:	Use different graph sizes for recording the time reading for analysing the program. Mention here what graph sizes and graph structure is used in the program.
Results:	Write result values in the table and prepare a graph. Graph-size Vs time
Analysis and conclusion:	Write your own analysis of output and conclusion(Minimum 1 statement Analysis, Minimum 1 Statement Conclusion)
References:	Reference Links(Any 2)