Design and Analysis of Algorithm – Project Self-Assessment Form

Dear Students, please fill the expected marks field and bring this form with you

Section: _____

	Member 1	Member 2	Member 3
Name			
Roll No.			

Task	Marks	Expected Marks	Obtained Marks
Dijkstra	**15 marks** **Not efficient algorithm 7.5** **Else zero**		
For above algorithm	**More than 1000 nides 5 marks** **More than 50000 nodes 5 marks** **Complete dry run and output file 5 marks** **(Total 15)**		
Bellman Ford)	**15 marks** **Not efficient algorithm 7.5** **Else zero**		
For above algorithm	**More than 1000 nides 5 marks** **More than 50000 nodes 5 marks** **Complete dry run and output file 5 marks** **(Total 15)**		
Prims	**15 marks** **Not efficient algorithm 7.5** **Else zero**		
For above algorithm	**More than 1000 nides 5 marks** **More than 50000 nodes 5 marks** **Complete dry run and output file 5 marks** **(Total 15)**		
Kruskals	**15 marks** **Not efficient algorithm 7.5** **Else zero**		
For above algorithm	**More than 1000 nides 5 marks** **More than 50000 nodes 5 marks** **Complete dry run and output file 5 marks** **(Total 15)**		
BFS	**15 marks** **Not efficient algorithm 7.5** **Else zero**		
For above algorithm	**More than 1000 nides 5 marks** **More than 50000 nodes 5 marks** **Complete dry run and output file 5 marks** **(Total 15)**		

DFS	**15 marks** **Not efficient algorithm 7.5** **Else zero**		
For above algorithm	**More than 1000 nides 5 marks** **More than 50000 nodes 5 marks** **Complete dry run and output file 5 marks** **(Total 15)**		
Diameter	**15 marks** **Not efficient algorithm 7.5** **Else zero**		
For above algorithm	**More than 1000 nides 5 marks** **More than 50000 nodes 5 marks** **Complete dry run and output file 5 marks** **(Total 15)**		
Cycle	**15 marks** **Not efficient algorithm 7.5** **Else zero**		
For above algorithm	**More than 1000 nides 5 marks** **More than 50000 nodes 5 marks** **Complete dry run and output file 5 marks** **(Total 15)**		
Average Degree	**15 marks** **Not efficient algorithm 7.5** **Else zero**		
For above algorithm	**More than 1000 nides 5 marks** **More than 50000 nodes 5 marks** **Complete dry run and output file 5 marks** **(Total 15)**		
Complexity analysis of algorithms including all functions used in the code is required.	**30 each** **6 marks each**		
Report Rubrics			
Each group should submit one report containing algorithms, complexity analysis and performance analysis of all the problems.	**40 marks**		
Machine specification added to the for all the problems solved by the members	**30** **10 for each (each)** **If not, marks zero** **There should be three specifications as all members worked on their own machines**		

All data set related information is provided along with assumptions	**10 marks** **If dataset information is added but no assumption (is used) 5 marks only** **Else zero marks**		
Add a sample graph in the report for diameter, cycle detection and average degree	**15 marks** **(5 marks for each of the item present)**		
For performance graphs, add tables in the report. Table should show your values used in the performance graph on x-axis and y-axis.[30]	**30 marks** **(6 marks per correct evaluations)**		
Total	**Out of 425**		

For Evaluators Only

Overall Project

Good	**25**	
Average	**17**	
Below Average	**8**	
Poor	**4**	

Any Bonus marks for additional marks _____ (Justify in comments) e.g. extra effort, graph visualizations

Comments:

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Total Marks out of 450	