

Evaluation of Students for the Course: Performance Modeling of Computer Networks (CS60019)

Mid-sem– 30
End-Sem - 50
Teacher’s Assessment 20
 Attendance – 5
 Class Test – 5
 Term Paper – 4
 Term Project – 6

Details of Term Paper and Term Project

Team Formation: Team size will be announced based on class strength.

Term Paper: Go through the papers published in journals and conferences during the period 2013-2018 related to performance modeling of computer networks. Identify a topic that interests you. Do a detailed literature survey for the selected topic. Highlight the solution you feel is the best. Suggest an improvement on this solution. Submit your term paper written in your **own language** (about 10 pages in length) **in pdf format** (file name should be <Roll_no>.pdf) by email to your instructor at:

shamik@cse.iitkgp.ac.in

The format of the term paper should be as follows:

1. Title
2. Authors
3. Affiliations
4. Abstract
5. Introduction containing literature survey
6. Problem definition
7. Existing solutions
8. New suggestion
9. Plan for implementation
10. References

Term Paper Submission Deadline: 10th September, 2018.

Term Project: Implement the improvement you have suggested in the term paper. If it is a theoretical work, provide your theoretical proof. The term project report (about 12 pages in length) will be in the following format:

1. Title

2. Authors
3. Affiliations
4. Abstract
5. Introduction containing literature survey
6. Problem definition
7. Existing solutions
8. New suggestion
9. Implementation Details
10. Results
11. Conclusions
12. References

Implemented system/Theoretical proof/Mathematical analysis may have to be demonstrated/presented as a seminar.

Submit your term project report written in your **own language** (about 12 pages in length) **in pdf format** (file name should be <Roll_no>.pdf) by email to your instructor at:

shamik@cse.iitkgp.ac.in

Term Project Report Submission Deadline: 11th November, 2018.

Selected list of journals and conferences in which papers related to Performance Modeling of Computer Networks are published. There are several others which will be communicated in due course of time.

Journals

Elsevier Performance Evaluation
ACM Transactions on Modeling and computer Simulation
IEEE/ACM Transactions on Networking

Conferences

ACM SIGMETRICS
IFIP International Symposium on Computer Performance, Modeling, Measurements and Evaluation
IEEE International Symposium on the Modeling, Analysis, and Simulation of Computer and Telecommunication Systems
IEEE International Conference on Computer Communications

It is important that you write your term paper and term project report in your own language. For any kind of plagiarism, zero mark will be awarded without any consideration. For any doubt on what is meant by plagiarism, meet your instructor within one month of the start of the semester.