

Department of Computer Science and Engineering
National Institute of Technology Calicut
Calicut - 673 601, Kerala, India.

Tentative Course Details - Monsoon 2018
CS2092D Programming Laboratory

Lab:

Lab Hours : Thu 02.00pm - 05.00pm
Venue : Software Systems Lab & Network Systems Lab
Credits : 3
Slot : S

Instructors:

Name	: Seema Yadav.	Vasudevan A.R
Office	: MB209E	MB209E
Telephone	: 7994311696	9446094960
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Name	: Subashini R.	Subashree M
Office	: CSE101A	CSE301A
Telephone	: 0495-2286820	0495 2286810
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Teaching Assistants:

Aindrila	Amal	Deepesh Kataria	Harsh Jain	Komal Maheshwari
P. K. L. Kiranmayi	Ritu Singh	Shibin	DhanyaMol Antony	Neeta A Eapen
Rani M. R.	Remi Raman			

Course Outcomes:

CO1. Implement fundamental algorithms like sorting and searching and simple data structures like arrays, linked lists, trees and graphs
CO2. Analyze the computing problems given and assess the suitability of different data structures and algorithms to solve the problems
CO3. Design and implement algorithmic solutions within suitable time constraints to face real life practical situations in the computing industry by following the ethics of computing

References:

- T. H. Cormen, C.E. Leiserson, R. L. Rivest and C Stein, *Introduction to Algorithms*, 3/e, MIT Press, 2009.

- E. Horowitz, S. Sahni S, and D. Mehta, *Fundamentals of Data Structures in C++*, 2/e, Universities Press, 2008.
- M. A. Weiss, *Datastructures and Algorithm Analysis*, Addison-Wesley, 1992.
- Course page at <http://eduserver.cse.nitc.ac.in/>

Evaluation and Grading:

- There are three tests and each test carries 25 marks. There will be an objective type online quiz, which carries 10 marks. The lab evaluation marks will be scaled to 15 marks.
- Attendance is mandatory. Late evaluations will not be done without prior written permission. Late evaluations will have a penalty of 20% per week of delay.
- All issues regarding evaluations must be resolved within one week after the marks are announced.
- Grading will be relative.
- Contact person for all matters related to the lab is *Seema Yadav*.

Course Schedule:

Date	Activity	Marks
11.07.18	Lecture: course contents, policies.	
12.07.18	Practice Lab: Familiarization of basic linux commands	
19.07.18	Practice Lab / Evaluation	
26.07.18	Practice Lab / Evaluation	
02.08.18	Practice Lab / Evaluation	
09.08.18	Test 1	25
23.08.18	Practice Lab / Evaluation	
30.08.18	Practice Lab / Evaluation	
06.09.18	Practice Lab / Evaluation	
13.09.18	Test 2	25
20.09.18	Practice Lab	
11.10.18	Online Test Practice Lab / Evaluation	10
25.10.18	Test 3	25
01.11.18	Practice Lab / Evaluation	

Standard of Conduct

Each student is expected to adhere to high standards of ethical conduct, especially those related to cheating and plagiarism. Any submitted work must be an individual effort. Any academic dishonesty will result in zero marks in the corresponding evaluation and will be reported to the department council for record keeping and for permission to assign F grade in the course. The department policy on academic integrity can be found at :

<http://cse.nitc.ac.in/sites/default/files/Academic-Integrity.pdf>.