

Advanced Data Analytics & Parallel Technologies Lab

Application for Project Type/Thesis/SAT courses

I Semester 2017-18

This notice is for BE/ME students who are interested in doing research. We, at the ADAPT Lab., are looking for motivated students who want to get associated with us for at least 2 semesters, starting 1st Semester, 2017-18 (August 2017). You will be working as SOP/COP/Study of Advanced Topic/Thesis/Dissertation courses under Prof. Navneet Goyal, Prof. Poonam Goyal, and Prof. Sundar Balasubramaniam.

The broad area in which we are working is Big Data Analytics. Some of the subareas of current interest are listed below:

Problem 1: Parallelizing Compiler

Minimum Requirement: Should have completed on-campus Compiler Construction and/or Advanced Compilation Techniques course. Should have proficiency in Java and/or C++.

Desired Skill: Preference will be given to students having prior experience with Parallel Programming, and/or Generics/Template programming.

Problem 2: Concurrent and Distributed Data Structures

Minimum Requirement: Good grades in on-campus DSA and/or DAA courses.

Desired Skill: Preference will be given to students having prior experience with Parallel Programming using MPI and/or OpenMP/Pthreads

Problem 3: Streaming and Online Algorithms for Social Media Analytics

Minimum Requirement: Should have completed on-campus Data Mining/ADM and/or Machine Learning course by the end of current semester.

Desirable Qualification: Some exposure to Graph Algorithms & Text Mining.

Problem 3: Genome Assembler

Minimum Requirement: Should have computer science and biology/pharmacy background. Should have completed on campus Data Structures course.

Apart from above skills, availability for longer stay and proven programming skills will be taken into consideration.

*If you are interested, please fill up this form before **Sunday, 26th March, 2017 midnight.***

In case you have any doubt, you may contact any of the above professors or come to ADAPT Lab (NAB 6115) between 5 pm to 6 pm on weekdays.

Fill up the form at (BITS Mail Login Required)-

<http://tinyurl.com/adaptLabSpring2017>

