Dear Sir/Madam,

We are a group of faculty members in the Computer Science and Engineering department of IIT Bombay. Our areas of expertise are in the fields of computer networking and wireless communication. We are writing this email to invite student participation from your institute in a distance learning program we wish to conduct, the details of which are as follows. We kindly request you to circulate this email at the earliest to your students.

Yours Sincerely,
Kameswari Chebrolu, Mythili Vutukuru, Bhaskaran Raman.
Department of CSE, IIT Bombay.

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Computer Networks: An Online Course and Hands-On Workshop

We have developed an online course on "Computer Networks", primarily targeted at undergraduate and postgraduate students in computer science and closely related disciplines. Our course consists of several online video lectures and quizzes. The course also has a hands-on workshop component, at IIT-Bombay.

Course Contents
* Introduction, history and Layering
* Physical Layer: Theory, Encoding techniques
* Link Layer: Framing, Error detection and recovery, Reliability, Multiple Access, Ethernet, Token Ring, Switching
* Network Layer: Addressing, Routing, IP
* Transport Layer: Reliability and Congestion Control
* Application Layer: DNS, Web/HTTP, Email, FTP

We invite students with an aptitude for research and higher learning from your institute to register and work through the course. Interested students can apply for registration in the course by filling the enrollment form at:

https://docs.google.com/forms/d/1bAwsa2A6Ko_XeRhoEcXYi20kB9-nC5k47L_mX-DjwbY/viewform?usp=send_form

Students approved for registration will be notified once the registration is successful, upon which he/she can start learning from the online lectures. Registration for the course will be limited due to logistic reasons; so hurry up and fill the enrollment form at the earliest, and no later than 25 Dec 2014.

The course also has a 3-day hands-on workshop component that will be held in IIT Bombay campus during the period 2-5 April 2015 (the exact dates will be announced by end of Jan 2015).

* We expect students to finish the online video lectures and quizzes in the course by the last week of March 2015. The expected time commitment for this is about 30-40 hours.

* Only a select set of students (about 30-50 total), based on a test of their understanding, will be considered for the hands-on workshop.

* The hands-on workshop will run for 3 days, and will cover several
programming assignments that will enhance an understanding of the online lectures.

* We will be unable to provide accommodation, transportation, food for the hands-on workshop; participants will have to arrange and pay for these on their own.

We view this entire exercise as a way of connecting with talented students across the country, and enriching their educational experience. The students who perform well in the online course and the hands-on workshop may be offered summer internships or other longer term projects with our research group at IIT Bombay, subject to a mutual fit.

Please pass this word along to interested students.

Thanks,
Kameswari Chebrolu, Mythili Vutukuru, Bhaskaran Raman.
Department of CSE, IIT Bombay.