




The Vanguard Lecture

Guest	Professor Naveen Garg Professor Department of Computer Science and Engineering Indian Institute of Technology Delhi	
Date	11 September 2017	
Lecture Title	Online Scheduling	
Abstract	<p><i>How do we make decisions without knowledge of the future? How do you decide between paying Rs 1000 for the monthly membership to the swimming pool and paying-per-swim at Rs 100/swim?</i></p> <p><i>This talk will explore the area of "Online Algorithms" where the input to the algorithm is revealed one step at a time and the algorithm has to make decisions while hedging against the future. The lack of information - about the future - can often be offset by "resource augmentation" and we shall demonstrate this through examples from the world of scheduling</i></p>	
Attendees	<p><i>I Year CSE B.Tech. Students</i> <i>+ II Year CSE B.Tech. Students</i> <i>+ III Year CSE B.Tech. Students</i> <i>+ Ph.D. CSE Students</i> <i>+ Any other interested student</i></p>	
Venue	Lecture Hall Complex (Room number 308)	
Time	<p>09:00 – 10:30 60 minutes lecture + 30 minutes interaction, Questions & Answers</p>	

Speaker's Bio-data

Professor Naveen Garg (born 12 March, 1971) is a Professor of Computer Science in Indian Institute of Technology Delhi, specializing in algorithms and complexity in theoretical computer science. He was awarded the Shanti Swarup Bhatnagar Prize for Science and Technology, India's highest prize for excellence in Science, Mathematics and Technology, in the Mathematical Sciences category in the year 2016. Naveen Garg's contributions are primarily in the design and analysis of approximation algorithms for NP-hard combinatorial optimization problems arising in network design, scheduling, routing, facility location etc.

Professor Naveen Garg secured B.Tech. degree in Computer Science and Engineering from Indian Institute of Technology, Delhi, in 1991 and Ph.D. degree from the same institute in 1994 under the supervision of Prof. Vijay Vazirani with a dissertation on "Multicommodity Flows and Approximation Algorithms". He was a Postdoctoral Fellow in Max Planck Institute for Informatics, Saarbrücken during September 1994 to August 1996, and a Research Scientist there during September 1996 to December 1997. He joined Indian Institute of Technology, Delhi, as a faculty in January 1998. Currently, he is Amar S. Gupta Chair Professor in Decision Sciences. He is also a co-director of the Indo-German Max-Planck Center for Computer Science.