Healthcare: A Three-Pronged Approach in a Knowledge Society

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1:30 – 3:00 PM
210 Shillman Hall

Abstract

This seminar will use two examples -- electronic processing of bank checks and the 24-Hour Knowledge Factory -- to discuss the notions of innovation, entrepreneurship, and technology management in the context of large scale healthcare systems. The evolving characteristics of these notions will be discussed in the deploying a three-pronged approach to healthcare, which involves use of onsite personnel, offsite personnel, and computer-based techniques.

The increasing role of telemedicine and medical tourism will be analyzed. In particular, the constitutionality of existing governmental restrictions will be examined, and new options for addressing medical disputes across national boundaries will be presented.

Biosketch: Amar Gupta is Thomas R. Brown Endowed Professor of Management and Technology, Professor of Entrepreneurship, Professor of Computer Science, and Founding Director of the Nexus for Entrepreneurship and Technology (NEXT) initiative at the Eller College of Management of the University of Arizona. He holds a concurrent appointment in the College of Pharmacy (HOPE Center) and the faculty of the College of Public Health have voted to award him a joint appointment in the latter college. He came to Arizona in 2004 after a 25-year long tenure at the MIT, and continues to spend part of the year there (at the MIT School of Engineering).

Professor Gupta holds a bachelors degree in electrical engineering (from IIT, Kanpur), a masters degree in management (from MIT), and a doctorate in computer science (from IIT, Delhi). His doctoral research was conducted in India, England, and the US (at MIT), and was co-supervised by Professor Peter Keen of MIT Sloan School of Management.

Recent areas of research include: the concept of the 24-Hour Knowledge Factory that involves three or more teams of workers in different countries to enable round the clock operations even though everybody works during day time only; and the three-pronged approach to healthcare that involves on-site personnel, off-site personnel, and computer-assisted decision-making. He played a pivotal role in the development of multiple dual degree programs that lead to a graduate degree in engineering or other specialized domain, a graduate degree in management, and a certificate in entrepreneurship.