

**Dr. Solomon Antony**  
Murray State University  
Computer Science and Information Systems  
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## Education

Ph.D., Florida International University.  
Major: Information Systems  
Dissertation Title: Design and evaluation of a consulting systems for database design

Bachelor of Engineering (Hons), Birla Institute of Technology and Science.  
Major: Chemical Engineering

## Professional Positions

### Academic

Associate Professor, Murray State University. (August 2008 - Present).

Assistant Professor, Murray State University. (August 2005 - July 2008).

Assistant Professor, Texas Tech University. (August 1998 - July 2005).

Visiting Assistant Professor, Oakland University. (August 1996 - July 1998).

## Professional Memberships

Association of Information Systems. (1998 - Present).

Association of Computing Machinery. (2008 - 2009).

## TEACHING

## Teaching Experience

### Murray State University

CIS 243, Business Statistics I, 4 courses.

CIS 307, Decision Support Technologies, 7 courses.

CIS 545, Enterprise Resource Planning, 1 course.

CIS 548, Enterprise Resource Planning, 2 courses.

CIS 648, Enterprise Resource Planning, 1 course.

CIS 650, Software Methodologies, 7 courses.

CIS 695, Comprehensive project in Computer Information Systems, 5 courses.

## RESEARCH

## Published Intellectual Contributions

### Book Chapters

Antony, S., Santhanam, R. (2007). Could the use of a Knowledge-Based System Lead to Implicit Learning?. In F. Burstein and C.W.Holsapple (Ed.), *Handbook on Decision Support Systems* (vol. 1, pp. 791-811). Springer Verlag Berlin.

### Refereed Journal Articles

Antony, S. (2012). Database Models For Questionnaire-Based Surveys. *International Journal of Business, Marketing, and Decision Sciences*, 5(1), 17. [www.iabpad.com/IJBMDS/index.htm](http://www.iabpad.com/IJBMDS/index.htm)

Yarali, A., Claiborne, D., Antony, S. (2011). Information Technology & Health: A New Arena in Hospital Industry. *International Journal of Modern Engineering*, 2011(Fall/Winter), 56-63. <http://www.ijme.us/index.htm>

Antony, S., Mellarkod, V. (2011). DATA MODELING PATTERNS: AN EMPIRICAL EVALUATION OF THEIR USABILITY. *American Journal of Information Technology*, 1(1). [intl-academy.org/journal2.htm](http://intl-academy.org/journal2.htm)

Antony, S., Santhanam, R. (2007). Could the use of a knowledge-based system lead to Implicit learning?. *Decision Support Systems*, 43, 141-151.

Singh, M., Raj, V., Antony, S., Smith, R., Boger, G. (2007). Designing a Master's Degree program in Information Systems: One university's experience. *Journal of Business, Industry and Economics*, 8, 19-38.

Antony, S., Lin, Z., Xu, B. (2006). Determinants of Online Escrow Service Adoption in Consumer-to-Consumer Online Auction Market: An Experimental Study.. *Decision Support Systems*, 42(3), 1889-1900.

Antony, S., Batra, D., Santhama, R. (2005). The use of a knowledge-based system in conceptual data modeling. *Decision Support Systems*, 41, 176-188.

Antony, S., Batra, D. (2002). CODASYS: A consulting tool for novice database designers. *DATA BASE : Advances in Information Systems*, 33(3), 54-69.

Batra, D., Antony, S. (2001). Consulting support during conceptual database design in the presence of redundancy in requirements specifications: An empirical study. *International Journal of Human Computer Studies*, 54, 25-54..

Zanakis, S., Antony, S., Dublish, S., Wishart, N. (1998). Multi-attribute decision making: A simulation comparison of select methods. *European Journal of Operational Research*, Vol 107,(No. 3.), pp 507..

Koulamas, C., Antony, S., Jaen, R. (1996). Simulated annealing applied to the total tardiness problem. *Control and Cybernetics*, 25(1), 121-130.

Koulamas, C., Antony, S., Jaen, R. (1994). A survey of simulated annealing applications to operations research problems. *To appear in Omega: International Journal of Management Science*, Vol 22,, 41-56..

Batra, D., Antony, S. (1994). Effects of data model and task characteristics on designer performance. *International Journal of Human-Computer Studies*, , Vol 41., 481-508.

Batra, D., Antony, S. (1994). Novice errors in conceptual database design. *European Journal of Information Systems*, Vol 3,, 57-69..

## Conference Proceedings

- Mandava, A., Antony, S. (2012). A review and analysis of technologies for developing web applications. *ITERA 2012*. Indianapolis, IN: International Telecommunication Education and Research Association.
- Antony, S. (2011). Database Models For Questionnaire-Based Surveys. *International Academy of Business and Public Administration Disciplines (IABPAD) Conference*. Ruston, LA, USA: IABPAD. <http://www.iabpad.com/>
- Antony, S., Mellarkod, V. (2009). Data modeling patterns: A method and evaluation. *15th AMCIS*. San Francisco, CA.
- Antony, S., Mellarkod, V. (2004). A methodology for using Data model patterns. *America's Conference on Information Systems*. New York.
- Antony, S. (2004). Methodology for using Data-modeling Patterns. *Symposium on Research in Systems Analysis and Design*. St. Johns, Canada.
- Antony, S., Lin, Z. (2001). Determinants of Online Escrow Service Adoption: An Experimental Study. *The 11th Workshop on Information Technologies and Systems*. New Orleans, Louisiana, USA..
- Antony, S. (1999). A consulting system for ER modeling instruction. *1999 Americas Conference on Information Systems*.
- Antony, S., Batra, D., Santhama, R. (1999). Empirical validation of knowledge-based systems for conceptual database design. *1999 Americas Conference on Information Systems*.
- Santhanam, R., Antony, S., Hong, S. (1996). The Reexamination of Information System Project Selection Bias. *Annual Meeting of the Decision Sciences Institute*. Orlando, Florida.

## Working Papers

- Raj, V., Antony, S., Chen, S., Singh, M., Sutrick, K. Using Analytical Models to improve retention management at a post-secondary institution.
- Raj, V., Chen, S., Antony, S. Effectiveness of Pattern-based pedagogy.

## Presentations Given

- Smith, R. (Presenter and Author), Singh, M. (Author), Antony, S. (Author), Raj, V. (Author), Boger, G. (Author), The Society of Business, Industry and Economics Conference, "Designing a Master's Degree Program in Information Systems: One University's Experience," SOBIE. (April 2006).

## Contracts, Grants and Sponsored Research

### Grant

- Antony, Solomon (PI/PD), "COBA large grant research award," Sponsored by College of Business - Texas Tech, Other, \$810.00.
- Antony, Solomon (PI/PD), "PeopleSoft's Enterprise Resource Planning software," Sponsored by CTLT, Murray State University, \$1,000.00.

Antony, Solomon (PI/PD), "Tool for reusing data modeling patterns: Development and Evaluation," Sponsored by Kentucky Science and Technology Corporation, State, \$17,177.00. (June 2010).

Antony, Solomon (PI/PD), "The effectiveness of the web portal for the Exotic Leather Industry in Texas," Sponsored by Leather Research Institute at Texas Tech, Other, \$25,000.00. (2001 - 2002).

## **Awards and Honors**

•Certificate of Recognition for Research Productivity by CBPA, College of Business. (2007).

## **Intellectual Contributions in Submission**

### **Refereed Journal Articles**

Antony, S., Mellarkod, V. DESIGNER, SPEAK THY MIND! Using Verbal Protocol Analysis for Design Method Development. *Business and Information Systems Engineering*.

Antony, S., Mellarkod, V. A method for Using data modeling patterns.

## **SERVICE**

### **Department Service**

Faculty Advisor, Majors' Fair. (February 2010).

## **Awards and Honors**

### **Service, Public**

Recognition for State Employee Charitable Contribution, Texas Tech University. (2004).

Best Faculty Advisor Award Nominee, India Students Association at Texas Tech University. (2003).

•Recognition for State Employee Charitable Contribution, Texas Tech University. (2003).