

Varadraj “Raj” Prabhu Gurupur, Ph.D.

Mailing Address:

4364 Scorpius Street
HPA II, Room 214
Orlando, FL 32816

Office Phone: 407-823-5161

Fax: 407-823-6138

Email: varadraj.gurupur@ucf.edu

EDUCATION

- | | |
|--|---------------|
| Ph.D. in Computer Engineering, University of Alabama at Birmingham,
Birmingham, AL 35294 | May 2010 |
| Master of Science, Computer and Information Sciences, University of
Alabama at Birmingham, Birmingham, AL 35294 | December 2005 |
| Bachelor of Engineering, Computer Science & Engineering,
Mangalore University,
Mangalore, India | February 2002 |

ACADEMIC AND TECHNICAL WORK EXPERIENCE

- Assistant Professor, Department of Health Management and Informatics, University of Central Florida, August 2014 – Present
- Researcher, Veteran’s Affairs, Orlando, FL, August 2015 – Present
- Assistant Professor, Department of Health Informatics and Information Management, Louisiana Tech University, September 2013 – August 2014
- Assistant Professor, Department of Computer Science and Information Systems, Texas A&M University -Commerce, August 2011 – August 2013
- Chief of the Department IT Staff (Information Systems Specialist II), Neurology Chair Office, University of Alabama at Birmingham, October 2010 – July 2011
- Data Manager (Program Coordinator II), Neurology Chair Office, Alzheimer’s Disease Research Center, University of Alabama at Birmingham, April 2007 – October 2010
- Data Processing Specialist, Department of Pharmacy, University of Alabama at Birmingham Hospital, November 2005 – April 2007
- Lecturer, Department of Computer Science & Engineering, Gogte Institute of Technology, India, September 2001 – June 2003

FUNDED RESEARCH / PROJECTS

Externally Funded Research

2. Creation Health Principles Integration, Funding Agency: Florida Hospital, Amount in total: \$165,000 / year, Salary Contribution \$5,000, Period: 2015-16, Principal Investigator: Thomas T.H. Wan, PhD, Role: Consultant
1. Alzheimer's Disease Research Center (ADRC) grant, Funding Agency: National Institute of Ageing (NIA), Amount in total: \$1,000,000.00 / year, Salary Contribution: \$37,000 / year, Period: 2007 – 2010. Principal Investigator: Daniel C. Marson, PhD, JD, Role: Data Manager

Other External Research Funds Secured

1. Licensing fee agreement for patent application 1335P205, Mend Family, Amount \$5,000.00.

Internal Grants Awarded

4. Faculty Research Initiative Award, 2014-2015, \$2,500, College of Health and Public Affairs, University of Central Florida.
3. Innovative Instruction Mini-Grant, 2013-2014, \$410, College of Applied and Natural Sciences, Louisiana Tech University.
2. Travel Grant, 2013-2014, \$1985, College of Applied and Natural Sciences, Louisiana Tech University.
1. STEM Analysis and Learning Tool (SALT) - Faculty Enhancement Grant, 2012-2013, \$10,666, Graduate School, Texas A&M University-Commerce.

PATENT

1. **Gurupur, V.,** Nasir, A., Liu, X., (2015). Method and system for managing health care patient record data, Ref no: 1335P205, Filing Date: 09/30/2015. *Status: Non-Provisional Application filed*

COPYRIGHT

1. Dementia and Delirium Analysis Research Tool, Effective Date: April 18, 2016, United States Copyright Office.

PUBLICATIONS

Dissertation

1. "A Framework for Semantic Service Composition: Process-as-a-Concept," Department of Electrical and Computer Engineering, University of Alabama at Birmingham, Spring 2010. Adviser: Dr. Murat M. Tanik.

Refereed Journal Articles

15. Fernandes, S.L., **Gurupur, V.**, Lin, H., Martis, R.J., (2016). A novel fusion approach for early lung cancer detection using computer aided diagnosis techniques, *Journal of Medical Imaging and Health Informatics*, Accepted, Journal Impact Factor: 0.877
14. Nasir, A. *, **Gurupur, V.**, Liu, X., (2016). A new paradigm to analyze data completeness of patient data, *Applied Clinical Informatics*, DOI: 10.4338/ACI-2016-04-RA-0063, Journal Impact Factor: 1.610
13. **Gurupur, V.**, Wan, T.T.H., Malvey, D., Slovensky, D., (2016). Editorial: Design of Health Information Systems, *Journal of Integrated Design and Process Science*, Vol. 20 (1), pp. 3-6.
12. Clark, S., Elswick, S., Gabriel, M., **Gurupur, V.**, Wisniewski, P., (2016). Transitions of Care: A Patient-Centered Perspective of Health Information Systems that Support Post-Acute Care, *Journal of Integrated Design and Process Science*, Vol. 20(1), pp. 95 – 110.
11. Fernandes, S.L., Chakraborty, B., **Gurupur V.**, Prabhu, A. G., (2016). Early Skin Cancer Detection Using Computer Aided Diagnosis Techniques, *Journal of Integrated Design and Process Science*, DOI: 10.3233/jid-2016-0002.
10. **Gurupur, V.**, Gutierrez, R., (2016). Designing the Right Framework for Healthcare Decision Support, *Journal of Integrated Design and Process Science*, DOI: 10.3233/jid-2016-0001.
9. **Gurupur, V.**, Shettian, K.P. *, Xu, P., Hines, S., Desselles, M., Dhawan M., Anderson, L., Reffenaud, A., Wan, T.T.H., (2016). Identifying the Readiness of Patients in Implementing Telemedicine in Northern Louisiana for an Oncology Practice, *Health Informatics Journal*, DOI: 10.1177/1460458216639740, Journal Impact Factor: 1.578
8. Hempelmann, C.F., Sakoglu, U., **Gurupur, V.**, Jampana, S., (2016). An Entropy-Based Evaluation Method for Knowledge Bases of Medical Information Systems, *Expert Systems with Applications*, DOI: 10.1016/j.eswa.2015.10.023. Journal Impact Factor: 2.981
7. **Gurupur, V.**, Jain, G.P. *, Rudraraju, R., (2015). Evaluating Student Learning Using Concept Maps and Markov Chains, *Expert Systems with Applications*, DOI: 10.1016/j.eswa.2014.12.016. Journal Impact Factor: 2.981
6. Jain, G.P.*, **Gurupur, V.**, Schroeder, J.L., Faulkenberry, E.D., (2014). Artificial Intelligence-Based Student Learning Evaluation: A Concept Map-Based Approach for Analyzing a Student's Understanding of a Topic, *IEEE Transactions on Learning Technologies*, DOI: 10.1109/TLT.2014.2330297. Journal Impact Factor: 1.283
5. **Gurupur, V.**, Sakoglu, U., Jain, G.P.*, Tanik, U.J., (2014). Semantic Requirements Sharing Approach to Develop Software Systems Using Concept Maps and Information Entropy: A Personal Health Information System Example, *Advances in Engineering Software*, Volume 70, April 2014, pp. 25–35. Journal Impact Factor: 1.673
4. Karla, P.R.*, **Gurupur, V.**, (2013). C-PHIS: A Concept Map-Based Knowledge Base Framework to Develop Personal Health Information Systems, *Journal of Medical Systems*, 2013, DOI: 10.1007/s10916-013-9970-3. Journal Impact Factor: 2.213

3. **Gurupur, V.,** Suh, S.C., Selvaggi, R.R., Karla, P.R.,* Nair, J.S., * Ajit, S., * (2012). An Approach for Building a Personal Health Information System Using Conceptual Domain Knowledge, *Journal of Medical Systems*, 2012, Vol. 36, Issue 6, pp. 3685 – 3693. Journal Impact Factor: 2.213
2. **Gurupur, V.,** Tanik, M.M., (2012). A System for Building Clinical Research Applications using Semantic Web-Based Approach, *Journal of Medical Systems*, 2012, Vol. 36, Issue 1, pp. 53- 59. Journal Impact Factor: 2.213
1. Tanik, U.J., Grimes, G., Sherman, C.J., **Gurupur, V.,** (2005). An Intelligent Design Framework Proposal Leveraging Axiomatic Design and the Semantic Web, *Journal of Integrated Design and Process Science*, Volume 9 Nov 1 / 2005, pp. 41-53.

* Student directly worked under my supervision

Edited Book

1. Suh, S.C., **Gurupur, V.,** Tanik M.M., (Eds), (2011). Biomedical Engineering, Healthcare Systems, Technology and Techniques, *Springer*, 2011, ISBN-13: 978-1461401155.

Special Issue

1. **Gurupur, V.,** Wan, T.T.H., Malvey, D., Slovinsky, D., (2016). Special Issue on Design of Health Information Systems, *Journal of Integrated Design and Process Science*, Vol 20(1), ISSN: 1092-0617.

Book Chapters

2. **Gurupur, V.,** Kamdi, A.S., Tuncer, T., Tanik, M.M., Tanju, M.N., (2011), Enhancing Medical Research Efficiency Using Concept Maps, Editor: Hamid R. Arabnia , *Advances in Experimental Medicine and Biology*, *Springer*, 2011, Volume 696, Part 7, 581-588, DOI: 10.1007/978-1-4419-7046-6_59 (15% acceptance rate), PMID: 20703749.
1. Higgs, J.A, **Gurupur, V.,** Tanik, M.M., (2011). The Role of Social Computing in Health Services Support, Editors: Sang C. Suh, Murat M. Tanik, and Varadraj P. Gurupur, *Biomedical Engineering, Healthcare Systems, Technology and Techniques*, *Springer*, 2011, ISBN-13: 978-1461401155.

Peer-Reviewed Articles Published in Conference Proceedings

18. Nasir A., **Gurupur, V.,** Liu, X., Qureshi, X., (2015). Managing Healthcare Patient Data Using the Data Completeness Analysis Package (DCAP), *Proceedings of SDPS 2015 Conference*, November 1- 5, 2015, Fort Worth, TX.
17. Rudraju, R., Najim, L., **Gurupur, V.,** Tanik, M.M., (2014). A Learning Environment Based on Knowledge Storage and Retrieval Using Concept Maps, *IEEE Southeast Conference 2014*, Lexington, KY, March 13 – 16, 2014.
16. Jain, G.P., **Gurupur, V.,** Faulkenberry, E.D., (2013). Artificial Intelligence Based Student

- Learning Evaluation Tool, IEEE Educon 2013, Berlin, Germany, March 13-15, 2013, pp. 751-756.
15. Chammas, N., Juric, R., Koay, N., **Gurupur, V.**, Suh, S.C., (2013). Towards a Software Tool for Preventing Raising Awareness of Diabetic Foot in Diabetic Patients, 46th Hawaii International Conference on System Sciences, Manoa, HI, January 7-10, 2013, pp. 2646 – 2655.
 14. Suh, S.C., **Gurupur, V.**, Koay N., Juric, R., Karla, P.R., (2012). Developing a Preventive Healthcare Tool for Alzheimer’s Disease Using Semantic Web Technologies,” *Proceedings of SDPS 2012 Conference*, June 10 -14, 2012, Berlin, Germany.
 13. Karla, P.R., **Gurupur, V.**, Suh, S.C., (2012). An Approach to Develop Healthcare Information Systems Using Concept Maps, *Proceedings of SDPS 2012 Conference*, June 10 - 14, 2012, Berlin, Germany.
 12. Karla, P.R., Suh, S.C., **Gurupur, V.**, (2012). Encrypting Ontological Meta-Model Using Elliptic Curve Cryptography with Identity Based Encryption, *Proceedings of the 2012 8th International Conference on Computing Technology and Information Management*, pp. 146-149, Seoul, Korea, April 24-26, 2012, ISBN: 978-89-88678-67-1.
 11. Karla, P.R., Saffer, S.I., **Gurupur, V.**, Suh, S.C., (2012). Identification of Class of Services in the Internet and a Proposed Approach to Traffic Prioritization at Layer 3, *Proceedings of the IEEE Southeast Conference 2012*, Orlando, FL, March 15-18, 2012.
 10. **Gurupur, V.**, Moradi, L.G., Tanik, U.J., (2011). Information Architecture of a Clinical Decision Support System for NASA Life Support Project Advancing STEM, *Proceedings of SDPS 2011 Conference*, Jeju Island, Korea, June 12 – 16, 2011.
 9. Robbins, D.E., **Gurupur, V.**, Tanik, U.J., (2011). Information Architecture of a Clinical Decision Support System, *Proceedings of the IEEE Southeast Conference 2011*, pp. 374 - 378, Nashville, TN, March 17-20, 2011.
 8. Higgs, J.A., **Gurupur, V.**, Tanik, M.M., (2011). A Transformative Software Development Framework: Reflecting the Paradigm shift in Social Computing, *Proceedings of the IEEE Southeast Conference 2011*, pp. 339-344, Nashville, TN, March 17-20, 2011.
 7. **Gurupur, V.**, Tanju, M.N., Tuncer, T., Gattaz, C.C., Tanik, M.M., (2009). Building Semantic Models Using Concept Maps for Medical Research, *Proceedings of the Twelfth SDPS Transdisciplinary Conference-Workshop on Integrated Systems, 2009*, pp. 244- 249, Montgomery, AL, November 1-5, 2009.
 6. **Gurupur, V.**, Sadasivam, R.S., (2009). Representing Processes as Concepts: Towards Reducing Semantic Gap, *Proceedings of the Twelfth SDPS Transdisciplinary Conference-Workshop on Integrated Systems, Design and Process Science*, pp. 173- 180, Montgomery, AL, November 1-5, 2009.
 5. **Gurupur, V.**, Tanik, U.J., Tanik, M.M., (2009). Abstract Software Design Framework: An Artificial Intelligence-Based System for Software Systems, *Proceedings of the Twentieth Midwest Artificial Intelligence and Cognitive Science Conference (MAICS 2009)*, pp. 20 – 25, Fort Wayne, IN, April 18-19, 2009.

4. **Gurupur, V.,** Tanik, M.M., (2009). Abstract Software Design Framework: A Semantic Service Composition Approach, *Proceedings of the IEEE Southeast Conference 2009*, pp. 295-300, Atlanta, GA, March 5-8, 2009.
3. **Gurupur, V.,** Tanik, U.J., (2008). A Framework for Software Design Automation and Integration Utilizing the Semantic Web, *Proceedings of IDPT Conference in Taiwan*, pp. 450-457, Taichung, Taiwan, June 1-6, 2008.
2. Prabhu, D., **Gurupur, V.,** Tanik, U.J., (2006). Leveraging Web Services for Software Cultivation using Artificial Intelligence Design Framework, *Proceedings of IDPT 2006*, pp. 483-489, San Diego, CA, June 25-30, 2006.
1. Tanik, U.J., Grimes, G.J., Sherman, C.J., **Gurupur, V.,** (2005). An Intelligent Design Framework Proposal Leveraging Axiomatic Design and the Semantic Web, *Proceedings of IDPT Conference in China*, pp. 41-53, Beijing, China, June 12-16, 2005.

Posters

7. Raffenaud, A., Yeung, T., **Gurupur, V.,** (2016). Utilizing Telemedicine in Oncology Settings: Patient Favorability Rates and Perceptions of Use. Annual Research Meeting for Academy Health, Boston, Massachusetts, June 26-28, 2016.
6. Steis, M.R., **Gurupur V.,** Unruh L., Golden A., (2016). Evaluating the Acute Care Needs of HBPC Patients: A Retrospective Review, Veterans Affairs Research Week, Orlando VA Medical Center, Orlando, FL, May 17, 2016.
5. **Gurupur, V.,** Noblin, A., (2015). Using Artificial Intelligence to Improve Teaching and Program Effectiveness in Population Health, AUPHA Annual Conference 2015, Miami, FL, June 3-6, 2015.
4. Hempelmann, C.F., **Gurupur, V.,** Sakoglu, U., (2015). Patient Centred Ontology Development for a Personal Health Information System, American Medical Informatics Association, 2015 Joint Summits on Translational Science, San Francisco CA, March 23- 27, 2015.
3. Hempelmann, C.F., **Gurupur, V.,** (2014). A Person-Centered Health Information Delivery Tool for Dementia Caregivers on an Ontological Semantic Basis, *American Medical Informatics Association 2014 Joint Summits on Translational Science*, San Francisco CA, April 7 -11, 2014.
2. Karla, P., Marapadaga, V., **Gurupur, V.,** (2012). Location Proofing using Identity Based Encryption and the Google Cloud on Mobile Applications, *ACM Southeast conference 2012*, Tuscaloosa, AL, March 29-31, 2012.
1. **Gurupur, V.,** Tanik, U.J., (2006). Software Cultivation using Artificial Intelligence Design Framework, *ACM Southeast conference 2006*, Melbourne, FL, March 10-12, 2006.

Published Abstracts

8. Hempelmann, C.F., **Gurupur, V.,** Sakoglu, U., (2015). Patient Centred Ontology

- Development for a Personal Health Information System, American Medical Informatics Association 2015 Joint Summits on Translational Science, San Francisco CA, March 23- 27, 2015.
7. **Gurupur, V.**, (2013). Software Engineering Health Information Systems Using Ontologies Generated from Concept Maps, ACM Mid-Southeast Conference 2013, Gatlinburg, Tennessee, November, 14-15, 2013.
 6. Karla, P., Marapadaga, V., **Gurupur, V.**, (2012). Location Proofing using Identity Based Encryption and the Google Cloud on Mobile Applications, *Proceedings of ACM Southeast conference 2012*, pp. 333 – 334, Tuscaloosa, AL, March 29-31, 2012.
 5. **Gurupur, V.**, (2010). Bridging the Semantic Gap in Building Biomedical Information Systems Using Concept Maps, ACM Mid-Southeast Conference 2010, Gatlinburg, Tennessee, November, 11-12, 2010.
 4. **Gurupur, V.**, (2008). A Transdisciplinary Approach towards Clinical Research Evaluation, ACM Mid-Southeast Conference 2008, Gatlinburg, Tennessee, November, 20-21, 2008.
 3. **Gurupur, V.**, (2006). A Knowledge Based Engineering Paradigm for Software Component Integration, ACM Mid-Southeast Conference 2006, Gatlinburg, Tennessee, November, 16-17, 2006.
 2. **Gurupur, V.**, Tanik, U.J., (2006). Software Cultivation using Artificial Intelligence Design Framework, Proceedings of ACM Southeast conference 2006, pp. 786-787, Melbourne, FL, March 10-12, 2006.
 1. **Gurupur, V.**, (2005). Software Cultivation using Semantic Web Technology, Web Agents, and Knowledge Based Engineering, ACM Mid-Southeast Conference 2005, Gatlinburg, Tennessee, November, 10-11, 2005.

Published Reviews (Non-Peer Reviewed)

33. **Gurupur, V.**, (2016). Review on, “A platform-oblivious approach for heterogeneous computing: a case study with Monte Carlo-based simulation for medical applications,” Hung S., Tsai M., Huang B., Tu C. FPGA 2016 (Proceedings of the 2016 ACM/SIGDA International Symposium on Field-Programmable Gate Arrays, Monterey, CA, Feb 21-23, 2016) 42-47. Type: Proceedings. 2016. *ACM Computing Reviews*, Published Online.
32. **Gurupur, V.**, (2015). Review on, “Evolutionary optimization of cancer treatments in a cancer stem cell context”, Monteagudo Á., Santos J. GECCO 2015 (Proceedings of the 2015 Annual Conference on Genetic and Evolutionary Computation Conference, Madrid, Spain, 233-240. 2015. Type: Proceedings. December 2015. *ACM Computing Reviews*, Published Online.
31. **Gurupur, V.**, (2015). Review on, “Simplifying data disclosure configurations in a cloud computing environment”, Hirschprung R., Toch E., Maimon O. ACM Transactions on Intelligent Systems and Technology (TIST) 6 (3): 1-26, 2015. Type: Article. July 2015. *ACM Computing Reviews*, Published Online.
30. **Gurupur, V.**, (2015). Review on, “Knowledge-based driver assistance systems: traffic

- situation description and situation feature relevance”, Huelsen M., Springer Vieweg, Wiesbaden, Germany, 2014. Type: Book (978-3-658057-49-7). January 2015, *ACM Computing Reviews*, Published Online.
29. **Gurupur, V.**, (2014). Review on, “Semantic concept-enriched dependence model for medical information retrieval” Choi S., Choi J., Yoo S., Kim H., Lee Y. *Journal of Biomedical Informatics* 47 18-27, 2014. Type: Article, September 2014, *ACM Computing Reviews*, Published Online.
 28. **Gurupur, V.**, (2014). Review on, “XML and web technologies for data sciences with R”, Nolan D., Lang D., Springer Publishing Company, Incorporated, New York, NY, 2014. 685 pp. Type: Book (978-1-461478-99-7)”, May 16, 2014, *ACM Computing Reviews*, Published Online.
 27. **Gurupur, V.**, (2014). Review on, “Semantic concept-enriched dependence model for medical information retrieval,” Choi S., Choi J., Yoo S., Kim H., Lee Y. *Journal of Biomedical Informatics* 47 18-27, 2014. Type: Article, September 18, 2014, *ACM Computing Reviews*, Published Online.
 26. **Gurupur, V.**, (2014). Review on, “Knowledge-based driver assistance systems: traffic situation description and situation feature relevance Huelsen M., Springer Vieweg, Wiesbaden, Germany, 2014. Type: Book (978-3-658057-49-7)”, January 7, 2015, *ACM Computing Reviews*, Published Online.
 25. **Gurupur, V.**, (2014). Review on, “Effort estimates on web application vulnerability discovery, Holm H., Ekstedt M., Sommestad T. HICSS 2013 (Proceedings of the 46th Hawaii International Conference on System Sciences, Grand Wailea, Maui, HI, Jan 7-10, 2013) 5029-5038. 2013”. Type: Proceedings, March 19, 2014, *ACM Computing Reviews*, Published Online.
 24. **Gurupur, V.**, (2014). Review on, “JavaScript programmer’s reference, Valentine T., Reid J., Apress, Berkeley, CA, 2013. 296 pp. Type: Book (978-1-430246-29-9)”, February 5, 2014, *ACM Computing Reviews*, Published Online.
 23. **Gurupur, V.**, (2014). Review on, “Knowledge and systems science: enabling systemic knowledge synthesis, Nakamori Y., Chapman & Hall/CRC, Boca Raton, FL, 2013. 246 pp. Type: Book (978-1-466593-00-8)”, February 4, 2014, *ACM Computing Reviews*, Published Online.
 22. **Gurupur, V.**, (2014). Review on, “Database concepts (6th ed.) Kroenke D., Auer D., Prentice Hall Press, Upper Saddle River, NJ, 2012. 480 pp. Type: Book (978-0-132742-92-4)”, January 20, 2014, *ACM Computing Reviews*, Published Online.
 21. **Gurupur, V.**, (2013). Review on, “Database design for mere mortals: a hands-on guide to relational database design (3rd ed.) Hernandez M., Addison-Wesley Professional, Upper Saddle River, NJ, 2013. 672 pp. Type: Book (978-0-321884-49-7),” November 8, 2013, *ACM Computing Reviews*, Published Online.
 20. **Gurupur, V.**, (2013). Review on, “Touching the future technology for autism? Mintz J., Gyori M., Aagaard M., IOS PRESS, Amsterdam, the Netherlands, 2012. 148 pp. Type: Book (978-1-614991-64-9),” September 18, 2013, *ACM Computing Reviews*, Published

Online.

19. **Gurupur, V.**, (2012). Review on, “Achieving interoperability among healthcare standards: building semantic mappings at models level, Khan W., Khattak A., Lee S., Hussain M., Amin B., Latif K. ICUIMC 2012 (Proceedings of the 6th International Conference on Ubiquitous Information Management and Communication, Kuala Lumpur, Malaysia, Feb 20-22, 2012) 1-9. 2012”. Type: Proceedings, December 14, 2012, *ACM Computing Reviews*, Published Online.
18. **Gurupur, V.**, (2012). Review on, “Ontology-based application integration, Paulheim H., Springer Publishing Company, Incorporated, New York, NY, 2011”, *ACM Computing Reviews*, May 24, 2012, Published Online.
17. **Gurupur, V.**, (2012). Review on, “TURF: toward a unified framework of EHR usability, Zhang J., Walji M. Journal of Biomedical Informatics 44 (6): 1056-1067, 2011.” Type: Article, *ACM Computing Reviews*, March 21, 2012, Published Online.
16. **Gurupur, V.**, (2012). Review on, “Software development and professional practice: Dooley J., Apress, Berkeley, CA, 2011,” Book, *ACM Computing Reviews*, March 15, 2012, Published Online.
15. **Gurupur, V.**, (2012). Review on, “The Java EE 6 tutorial: basic concepts (4th ed.)Jendrock E., Evans I., Gollapudi D., Haase K., Srivathsa C., Prentice Hall Press, Upper Saddle River, NJ, 2010.” 600 pp. Type: Book, *ACM Computing Reviews*, January 25, 2012, Published Online.
14. **Gurupur, V.**, (2011). Review on, “Emergent Web Intelligence: Advanced Semantic Technologies, Badr Y., Chbeir R., Abraham A., Hassanien A., Springer Publishing Company, Incorporated, New York, NY, 2010.” 544 pp. Type: Book, *ACM Computing Reviews*, January 20, 2011, Published Online.
13. **Gurupur, V.**, (2010). Review on, “Semantic Web information management : a model-based perspective, Virgilio R., Giunchiglia F., Tanca L., Springer Publishing Company, Incorporated, New York, NY, 2009.” 549 pp. Type: Book, *ACM Computing Reviews*, July 29, 2010, Published Online.
12. **Gurupur, V.**, (2010). Review on, “The impact of cognitive machines on complex decisions and organizational change, Nobre F., Tobias A., Walker D. AI & Society 24 (4): 365-381, 2009.” Type: Article, *ACM Computing Reviews*, June 23, 2010, Published Online.
11. **Gurupur, V.**, (2010). Review on, “A distributed, service-based framework for knowledge applications with multimedia, Dupplaw D., Dasmahapatra S., Hu B., Lewis P., Shadbolt N. ACM Transactions on Information Systems 27 (4): 1-29, 2009.” Type: Article, *ACM Computing Reviews*, May 21 2010, Published Online.
10. **Gurupur, V.**, (2010). Review on, “Essential Facebook development: build successful applications for the Facebook platform, Maver J., Popp C., Addison-Wesley Professional, Upper Saddle River, NJ, 2010.” 480 pp. Type: Book, *ACM Computing Reviews*, March 25 2010, Published Online.

9. **Gurupur, V.**, (2010). Review on, “Artificial life models in software (2nd ed.), Komosinski M., Adamatzky A., Springer Publishing Company, Incorporated, 2009” 442 pp. Type: Book, *ACM Computing Reviews*, February 26, 2010, Published Online.
8. **Gurupur, V.**, (2009). Review on, “Beginning iPhone development: Exploring the iPhone SDK Mark D., LaMarche J., Apress, Berkeley, CA, 2009.” 536 pp. Type: Book, *ACM Computing Reviews*, January 25 2009, Published Online.
7. **Gurupur, V.**, (2009). Review on, “Advances in Web semantics I: ontologies, Web services and applied semantic Web, Dillon T. (ed), Chang E. (ed), Meersman R. (ed), Sycara K. (ed) Springer-Verlag, Berlin, Heidelberg, 2009.” Type: Divisible Book, *ACM Computing Reviews*, November 10 2009, Published Online.
6. **Gurupur, V.**, (2009). Review on, “Pervasive healthcare computing: EMR/EHR, wireless and health monitoring, Varshney U., Springer Publishing Company, Incorporated, 2009.” 288 pp. Type: Book, *ACM Computing Reviews*, October 8 2009, Published Online.
5. **Gurupur, V.**, (2009). Review on, “Implementing automated software testing: how to save time and lower costs while raising quality, Dustin E., Garrett T., Gauf B., Addison-Wesley Professional, 2009.” 368 pp. Type: Book, *ACM Computing Reviews*, September 8 2009, Published Online.
4. **Gurupur, V.**, (2009). Review on, “Disability, age, and informational privacy attitudes in quality of life technology applications: results from a national Web survey, Beach S., Schulz R., Downs J., Matthews J., Barron B., Seelman K. *ACM Transactions on Accessible Computing (TACCESS)* 2: (1): 1-21, 2009.” Type: Article, *ACM Computing Reviews*, September 3 2009, Published Online.
3. **Gurupur, V.**, (2009). Review on, “Learning in communities: interdisciplinary perspectives on human centered information technology, Carroll J. (ed), Springer Publishing Company, Incorporated, 2009.” 264 pp. Type: Book, *ACM Computing Reviews*, September 2 2009, Published Online.
2. **Gurupur, V.**, (2009). Review on, “Using social data as context for making recommendations: an ontology based approach, Noor S., Martinez K. *Context, information and ontologies (Proceedings of the 1st Workshop on Context, Information and Ontologies, Heraklion, Greece, June 1, 2009)* 1-8. 2009.” Type: Proceedings, *ACM Computing Reviews*, July 27 2009, Published Online.
1. **Gurupur, V.**, (2009). Review on, “Pairwise ANFIS approach to determining the disorder degree of obstructive sleep apnea syndrome,” Polat K., Yosunkaya S., Güne S. *Journal of Medical Systems* 32: (5): 379-387, 2008. Type: Article, *ACM Computing Reviews*, July 15 2009, Published Online.

PRESENTATIONS

Peer Reviewed Presentations

26. Raffenaud, A., Yeung, T., **Gurupur, V.**, Utilizing Telemedicine in Oncology Settings: Patient Favorability Rates and Perceptions of Use. Annual Research Meeting for Academy Health, Boston, Massachusetts, June 26-28, 2016.

25. Steis, M.R., **Gurupur V.**, Unruh L., Golden A., Evaluating the Acute Care Needs of HBPC Patients: A Retrospective Review, Veterans Affairs Research Week, Orlando VA Medical Center, Orlando, FL, May 17, 2016.
24. Nasir A., **Gurupur, V.**, Liu, X., Qureshi, X., Managing Healthcare Patient Data Using the Data Completeness Analysis Package (DCAP), Fort Worth, TX, November 1- 5, 2015.
23. Noblin, A., **Gurupur, V.**, Evaluation of RHIA Results Using Concept Maps and Statistical Methods, 2015 Assembly on Education Symposium/Faculty Development Institute, Austin, TX, July 18-22, 2015.
22. **Gurupur, V.**, Noblin, A., Using Artificial Intelligence to Improve Teaching and Program Effectiveness in Population Health, AUPHA Annual Conference 2015, Miami, FL, June 3-6, 2015.
21. Hempelmann, C.F., **Gurupur, V.**, Sakoglu, U., Patient Centred Ontology Development for a Personal Health Information System, American Medical Informatics Association 2015 Joint Summits on Translational Science, San Francisco CA, March 23- 27, 2015.
20. Rudraju, R., Najim, L., **Gurupur, V.**, Tanik, M.M., A Learning Environment Based on Knowledge Storage and Retrieval Using Concept Maps, IEEE Southeast Conference 2014, Lexington, KY, March 13 – 16, 2014.
19. **Gurupur, V.**, Software Engineering Health Information Systems Using Ontologies Generated from Concept Maps, ACM Mid-Southeast Conference 2013, Gatlinburg, Tennessee, November, 14-15, 2013.
18. Chammas, N., Juric, R., Koay, N., **Gurupur, V.**, Suh, S.C., Towards a Software Tool for Preventing Raising Awareness of Diabetic Foot in Diabetic Patients, 46th Hawaii International Conference on System Sciences, Manoa, HI, January 7-10, 2013.
17. Jain, G.P., **Gurupur, V.**, Faulkenberry, E.D., Artificial Intelligence Based Student Learning Evaluation Tool, IEEE Educon 2013, Berlin, Germany, March 13-15, 2013.
16. Karla, P.R., **Gurupur, V.**, Suh, S.C., An Approach to Develop Healthcare Information Systems Using Concept Maps, SDPS 2012 Conference, June 10 -14, 2012, Berlin, Germany, June 10 -14, 2012.
15. Karla, P.R., Suh, S.C., **Gurupur, V.**, Encrypting Ontological Meta-Model Using Elliptic Curve Cryptography with Identity Based Encryption, 8th International Conference on Computing Technology and Information Management, Seoul, Korea, April 24-26, 2012.
14. Karla, P.R., Saffer, S.I., **Gurupur, V.**, Suh, S.C., Identification of Class of Services in the Internet and a Proposed Approach to Traffic Prioritization at Layer 3, IEEE Southeast Conference 2012, Orlando, FL, March 15-18, 2012.
13. Suh, S.C., **Gurupur, V.**, Koay N., Juric, R., Karla, P.R., Developing a Preventive Healthcare Tool for Alzheimer's Disease Using Semantic Web Technologies, SDPS 2012 Conference, June 10 -14, 2012, Berlin, Germany.

12. Robbins, D.E., **Gurupur, V.**, Tanik, U.J., Information Architecture of a Clinical Decision Support System, IEEE Southeast Conference 2011, Nashville, TN, March 17-20, 2011.
11. Higgs, J.A., **Gurupur, V.**, Tanik, M.M., A Transformative Software Development Framework: Reflecting the Paradigm shift in Social Computing, IEEE Southeast Conference 2011, Nashville, TN, March 17-20, 2011.
10. **Gurupur, V.**, Bridging the Semantic Gap in Building Biomedical Information Systems Using Concept Maps, ACM Mid-Southeast Conference 2010, Gatlinburg, Tennessee, November, 11-12, 2010.
9. **Gurupur, V.**, Building Applications Representing Processes as Concepts, 15th SDPS Conference, Dallas, TX, June 6 – 11, 2010.
8. **Gurupur, V.**, Sadasivam, R.S., Representing Processes as Concepts: Towards Reducing Semantic Gap, Twelfth SDPS Transdisciplinary Conference-Workshop on Integrated Systems, Design and Process Science, Montgomery, AL, November, 1-5, 2009.
7. **Gurupur, V.**, Tanju, M.N., Tuncer, T., Gattaz, C.C., Tanik, M.M., Building Semantic Models Using Concept Maps for Medical Research, Twelfth SDPS Transdisciplinary Conference-Workshop on Integrated Systems, Design and Process Science, Montgomery, AL, November, 1-5, 2009.
6. **Gurupur, V.**, Tanik, U.J., Tanik, M.M., Abstract Software Design Framework: An Artificial Intelligence-Based System for Software Systems, Twentieth Midwest Artificial Intelligence and Cognitive Science Conference (MAICS 2009), Fort Wayne, Indiana, April 18-19, 2009.
5. **Gurupur, V.**, Tanik, M.M., Abstract Software Design Framework: A Semantic Service Composition Approach, IEEE Southeast Conference, Atlanta, Georgia, March 6-8, 2009.
4. **Gurupur, V.**, A Transdisciplinary Approach towards Clinical Research Evaluation, ACM Mid-Southeast Conference 2008, Gatlinburg, Tennessee, November, 20-21, 2008.
3. **Gurupur, V.**, A Knowledge Based Engineering Paradigm for Software Component Integration, ACM Mid-Southeast Conference 2006, Gatlinburg, Tennessee, November, 16-17, 2006.
2. **Gurupur, V.**, Tanik, U.J., Software Cultivation using Semantic Web Technology, Web Agents, and Knowledge Based Engineering, ACM Mid-Southeast Conference 2005, Gatlinburg, Tennessee, November, 10-11, 2005.
1. Tanik, U.J., Grimes, G., “Intelligent Design Framework for Optical Backplane Engineering,” IEEE Southeast Conference 2005, Fort Lauderdale, Florida, April, 8-10, 2005.

Invited Talk

5. “Data Management Problems and Possible Solutions,” Annual Convention of the Florida Health Information Management Association, Orlando, FL, July 20, 2016.
4. “The Role of Data Semantics in Clinical Decision Support,” Central Florida Health

- Information Management Association (CFHIMA), South Seminole Hospital, Longwood, FL, April 30, 2015.
3. “Concept Mapping for Information Representation and Analysing Large Insurance Claims Data Sets,” School of Medicine, The University of Central Florida, Orlando, FL, April 2, 2015.
 2. “Software Engineering Health Information Systems Using Concept Maps”, The University of Alabama at Birmingham, Birmingham, AL, March 19, 2014.
 1. “The ADRC Online Web-Based Dataset: A New Dementia Research Resource at UAB,” Alzheimer’s disease Research Center Lecture Series, UAB, Birmingham, AL, September 9, 2008.

Workshop Presentations

3. Wan, T., **Gurupur, V.**, Human Factors and Clinical Decision Support Systems, SDPS 2016 Conference, Orlando, FL, December 4, 2016.
2. Kim, K-Y., **Gurupur, V.**, Then, P., Zeng, Y., Unhelkar, B., Arntzen, A.A.B., SDPS 2016 Conference, Orlando, FL, December 4, 2016.
1. Zeng, Y., Kim, K-Y., **Gurupur, V.**, Xion, F., Then, P., The SDPS Journal on Integrated Design and Process Science, SDPS 2015 Conference, Fort Worth, TX, November 1- 5, 2015.

ACADEMIC AWARDS AND HONORS

International Recognition

- Awarded the Outstanding Service Award for 2016 from the Software Engineering Society, at the annual SDPS 2016 conference, December 4-6, 2016, Orlando, FL
- Awarded the SDPS Excellence in Leadership Award for 2011 at the annual SDPS Conference, June 12 – 16, 2011, Jeju Island, South Korea.

Regional Recognition

- Awarded the best presentation under the Ph.D. category at the ACM Mid-Southeast Conference 2008, Gatlinburg, Tennessee, November, 20-21, 2008.

State Level Recognition

- Awarded the Florida Health Information Management Association Literary Award for the year 2016.

Institutional Recognition

- Featured Researcher for June 2016, Office of Technology Transfer, University of Central Florida.
- Awarded the Outstanding Graduate Student in Electrical and Computer Engineering at the University of Alabama at Birmingham for the academic year 2009 – 2010.

Research Fellowship

- Faculty Research Fellow – College of Health and Public Affairs, University of Central

Florida, 2014-15.

Other Awards and Honors

- Research Recognition, College of Health and Public Affairs, University of Central Florida, 2015-16.
- Research Recognition, College of Health and Public Affairs, University of Central Florida, 2014-15.
- Awarded the UAB Service Award for continuous service at the University of Alabama at Birmingham.
- Nominated for the Outstanding Graduate Engineering Student Award at the University of Alabama at Birmingham for the academic year 2009 – 2010.
- Nominated for the University of Alabama at Birmingham President's Diversity Award 2010 under the category of Professional Student involved in diverse activities at UAB.
- Award winning Internet Banking System (final year undergraduate project), Manipal Institute of Technology, India, Graduating Year: 2001.

Professional License

- Registered Health Information Administrator (RHIA) 2014-19.

SERVICES

Reviewer for Journal Submissions

- *Reviewer* for *ACM Computing Reviews*, ISSN 1530-6586.
- *Ad Hoc Reviewer*, *Journal of American Medical Informatics Association*, ISSN 1067-5027.
- *Ad Hoc Reviewer*, *Computer Methods and Programs in Biomedicine*, ISSN 0169-2607.
- *Ad Hoc Reviewer*, *Journal of Biomedical and Health Informatics*, ISSN 2168-2194.
- *Ad Hoc Reviewer*, *Journal of Medical Systems*, ISSN 0148-5598.
- *Ad Hoc Reviewer*, *Telemedicine and e-Health*, ISSN 1530-5627.
- *Ad Hoc Reviewer*, *Military Medical Research*, ISSN 2054-9369.
- *Ad Hoc Reviewer*, *Journal of Integrated Design & Process Science: Transactions of the SDPS*, ISSN 1092-0617.
- *Ad Hoc Reviewer*, *IET Software*, ISSN 1751-8806.
- *Ad Hoc Reviewer*, *Turkish Journal of Electrical Engineering and Computer Sciences*, ISSN 1300-0632.
- *Ad Hoc Reviewer*, *Expert Systems with Applications*, ISSN 0957-4174.
- *Ad Hoc Reviewer*, *Applied Clinical Informatics*, ISSN 1869-0327.
- *Ad Hoc Reviewer*, *International Journal of Library and Information Science*, ISSN 2141-2537.

Reviewer for Grant Application

- *Reviewer*, *KCALSI Blue KC Outcomes Research Grant*, January 2016.

Reviewer for Conference Submissions

- *Reviewer*, *American Medical Informatics Association 2017 Joint Summits on Translational Science*, March 27-30, 2017, San Francisco, CA.
- *Reviewer*, *Society for Design Process Science 2016 Annual Conference*, December 4-6, 2016, Orlando, FL.
- *Reviewer*, *Hawaii International Conference on System Sciences (HICSS-50)*, January 4-7, 2017, Waikoloa Village, HI.

- *Reviewer*, American Medical Informatics Association Annual Symposium 2016, November 12-16, 2016, Chicago, IL.
- *Reviewer*, American Medical Informatics Association 2016 Joint Summits on Translational Science, March 21-24, 2016, San Francisco, CA.
- *Reviewer*, Hawaii International Conference on System Sciences (HICSS 49), January 5-8, 2016, Kauai, HI.
- *Reviewer*, Society for Design Process Science 2015 Annual Conference, November 1-5, 2015, Dallas, TX.
- *Reviewer*, American Medical Informatics Association Annual Symposium 2015, November 14-18, 2015, San Francisco, CA.
- *Reviewer*, American Medical Informatics Association 2015 Joint Summits on Translational Science, March 23-27, 2015, San Francisco, CA.
- *Reviewer*, American Medical Informatics Association Annual Symposium 2014, November 15-19, 2014, Washington DC.
- *Reviewer*, Hawaii International Conference on System Sciences, January 7-10, 2013, Manoa, HI.
- *Member*, Technical Program Committee (Reviewer) for IEEE Southeast Conference 2014, March 13 - 16, 2014, Lexington, KY.
- *Member*, Technical Program Committee (Reviewer) for IEEE Southeast Conference 2013, April 14 -17, 2013, Jacksonville, FL.
- *Member*, Technical Program Committee (Reviewer) for IEEE Southeast Conference 2011, March 17-20, 2011, Nashville, TN.
- *Member*, Technical Program Committee (Reviewer) for IEEE Southeast Conference 2010, March 18-21, 2010, Charlotte, NC.
- *Member*, Technical Program Committee (Reviewer) for IEEE Southeast Conference 2009, March 5-8, 2009, Atlanta, GA.

Academic Services

- *Member*, Faculty Search Committee, Health Informatics Position #1, 2017, Department of Health Management and Informatics, University of Central Florida, 2016-2017.
- *Member*, Faculty Search Committee, Health Informatics Position #2, 2017, Department of Health Management and Informatics, University of Central Florida, 2016-2017.
- *Member*, HIPAA Compliance Task Force, University of Central Florida, 2016 – Present.
- *Member*, Graduate Council, College of Health and Public Affairs, University of Central Florida, 2015 – Present.
- *Member*, PAF-Health track admission committee meeting for the Doctoral Program in Public Affairs, 2016 – Present.
- *Member*, Graduate Appeals Committee, University of Central Florida, 2015 – Present.
- *Member*, HIPAA Compliance Committee, College of Health and Public Affairs, University of Central Florida, 2016 – Present.
- *Member*, Faculty Search Committee, Health Informatics Position #1, 2016, Department of Health Management and Informatics, University of Central Florida, 2015-2016.
- *Member*, Faculty Search Committee, Health Informatics Position #2, 2016, Department of Health Management and Informatics, University of Central Florida, 2015-2016.
- *Member*, Technology Advisory Committee, College of Health and Public Affairs, University of Central Florida, 2015 – 2016.
- *Member*, Ontological Semantic Lab, Texas A&M University – Commerce, 2013 – Present.
- *Member*, Research Council, College of Health and Public Affairs, University of Central Florida, 2014-2016.

- *Member*, Faculty Search Committee, Health Informatics Position #1, 2015, Department of Health Management and Informatics, University of Central Florida, 2014-2015.
- *Member*, Faculty Search Committee, Health Informatics Position #2, 2015, Department of Health Management and Informatics, University of Central Florida, 2014-2015.
- *Member*, Faculty Search Committee, Health Informatics Position #3, 2015, Department of Health Management and Informatics, University of Central Florida, 2014-2015.
- *Collaborator*, Department of Electrical and Computer Engineering, The University of Alabama at Birmingham, 2014 – Present.
- *Member*, Dean's Advisory Council, College of Applied and Natural Sciences, Louisiana Tech University, Ruston, LA, 2013 – 2014.
- *Chair*, Faculty Search Committee, Department of Computer Science and Information Systems, Texas A&M University-Commerce, 2012.

Professional Services

- *Co-Chair*, Journal of Integrated Design Process Science: Transactions of the SDPS Promotion Committee, 2015 – Present.
- *Member*, Work Group, Clinical Decision Support, Health Level 7.
- *Peer Reviewer*, Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM).
- *Program Support*, SDPS 2016 Conference, Orlando, Florida, December 4-6, 2016.
- *Guest Editor*, Special Issue on Design of Health Information Systems, Journal of Integrated Design Process Science: Transactions of the SDPS, 2016.
- *Member*, American Medical Informatics Association, Academic Forum, 2015 – Present.
- *Judge*, ACM Mid-Southeast Conference 2013, Gatlinburg, TN, November 14-15, 2013.
- *Session chair*, ACM Mid-Southeast Conference 2013, Gatlinburg, TN, November 14-15, 2013.
- *Chair*, Registration Committee, SDPS 2012 Conference, June 10-14, 2012, Berlin, Germany.
- *Conference Manager*, SDPS 2012 Conference, June 10-14, 2012, Berlin, Germany.
- *Chair*, Registration Committee, SDPS 2011 Conference, June 12-16, 2011, Jeju Island, South Korea.
- *Member*, Program Support Committee, 15th SDPS Conference, June 6-11, 2010, Dallas, TX.
- *Session Chair*, IEEE Southeast Conference 2009, March 5-8, 2009, Atlanta, GA.
- *Session Chair*, Twelfth Conference SDPS Transdisciplinary Conference on Integrated Systems, Design and Process Science, November 1-5, 2009, Montgomery, AL.

STUDENT MENTORING

Doctoral Dissertation

- *Committee Member*, Ramaraju Rudraraju, Department of Electrical and Computer Engineering, The University of Alabama at Birmingham, Graduated: December 2016.
- *Committee Member*, Ananth Prabhu, Computer Science and Engineering, Visvesvaraya Technological University, Graduated: December 2015.
- *Committee Member*, Jerry A. Higgs, Department of Electrical and Computer Engineering, The University of Alabama at Birmingham, Graduated: May 2013.
- *Committee Member*, Waleed Kattan, College of Health and Public Affairs, University of Central Florida.
- *Committee Member*, Rachel Mustonen, College of Health and Public Affairs, University of Central Florida.
- *Committee Member*, Kruparaj M. Shettian, College of Health and Public Affairs,

University of Central Florida.

Master's Thesis

- *Advisor*, Pramukh R. Karla, Department of Computer Science and Information Systems, Texas A&M University – Commerce, Graduated: May 2013.
- *Committee Member*, Nahed Alnhash, Department of Computer Science and Information Systems Texas A&M University – Commerce, Graduated: December 2012.

Research Assistants

- Waleed Kattan, College of Health and Public Affairs, University of Central Florida, Summer 2016.
- Gunjan S. Kulkarni, Department of Health Management and Informatics, University of Central Florida, Spring 2016.
- Ayan Nasir, Department of Health Management and Informatics, University of Central Florida, Spring 2015 – Present.
- Emilia Shettian, Department of Health Management and Informatics, University of Central Florida, Spring 2015.
- Justin W. Lisbon, Department of Computer Science and Information Systems, Texas A&M University – Commerce, Summer 2013.
- Bhakti V. Bhole, Department of Computer Science and Information Systems, Texas A&M University – Commerce, Summer 2013.
- G. Pankaj Jain, Department of Computer Science and Information Systems, Texas A&M University – Commerce, Fall 2012 – Spring 2013.
- Pramukh R. Karla, Department of Computer Science and Information Systems, Texas A&M University – Commerce, Fall 2011 – Spring 2013.
- Shilpa Ajit, Department of Computer Science and Information Systems, Texas A&M University – Commerce, Fall 2011.
- Jayalekshmi S. Nair, Department of Computer Science and Information Systems, Texas A&M University – Commerce, Fall 2011.

PROJECT WORK UNDERTAKEN

Community-Based Funded Projects

- STEM Analysis and Learning Tool (SALT): A Collaborative Approach in Enhancing STEM Education
- Dementia and Delirium Analysis and Research Tool (DDART)
- Caring for Caregivers: Available Tools and Technologies that Aid Caregivers of Demented Patients

Community-Based Non-Funded Projects

- Identifying the bottlenecks in implementing Telemedicine in Northern Louisiana

Software-Centered Projects

- C-PHIS: A Concept Map-Based Personal Health Information System
- Artificial Intelligence-Based Student Learning Evaluation (AISLE)
- Data Completeness Analysis Package (DCAP)

COURSES TAUGHT

Department of Health Management and Informatics, University of Central Florida

HSA 6197C – Healthcare Informatics for Healthcare Leaders
HIM 6122C – System Analysis and Design
HSA 4702- Health Science Research Methods
HIM 6124C- Healthcare Data Architecture and Modeling
HIM 4656- Health Information Management Systems
HSA 4191 – Fundamentals of Health Information Technology

Department of Health Informatics and Information Management, Louisiana Tech University

HIM 501 – Health Information Network Systems
HIM 435 – Health Informatics and Information Management
HIM 350 – Data Management in Healthcare
HIM 502 – Database Architecture
HIM 330 – Systems Analysis in Healthcare
HIM 333 – Introduction to Epidemiology and Applied Statistics
HIM 521 – EHR Infrastructure

Department of Computer Science and Information Systems, Texas A&M University - Commerce

CSCI 528/428 – Object Oriented Programming
CSCI 430 – Operating Systems
CSCI 359 – Systems Analysis and Design
CSCI 595 – Research, Literature and Techniques
CSCI 497 – Service Engineering and Semantic Web (**new course created**)

OTHER ACTIVITIES

- *Participant*, Winter Faculty Development Conference, Faculty Center for Training and Learning, University of Central Florida, December 2016.
- *Participant*, Summer Faculty Development Conference, Faculty Center for Training and Learning, University of Central Florida, May 2016.
- *Participant*, Winter Faculty Development Conference, Faculty Center for Training and Learning, University of Central Florida, December 2015.
- *Workshop Organizer*, SDPS 2015 Conference, November 1- 5, 2015, Fort Worth, TX.
- *Guest Lecturer*, Course# EE621, Fall 2009, Instructor: Dr. Murat M. Tanik, Department of Electrical and Computer Engineering, University of Alabama at Birmingham
- *Guest Lecturer*, Course# EE601, Spring 2010, Instructor: Dr. Thomas C. Jannett, Department of Electrical and Computer Engineering, University of Alabama at Birmingham
- *Member*, Diversity Committee, College of Health and Public Affairs, University of Central Florida, 2014-2015.
- *Member*, Appeals Committee, Department of Health Management and Informatics, College of Health and Public Affairs, University of Central Florida, 2014-2015.
- *Faculty Adviser*, ACM Students' Chapter, Texas A&M University-Commerce, 2011-2013.
- *Member*, Scholarship Committee, Department of Computer Science and Information Systems, Texas A&M University-Commerce.
- *Member*, Graduate Faculty Committee, Department of Computer Science and Information Systems, Texas A&M University-Commerce.
- *President*, Society for Entrepreneurship in Business and Engineering (Student's Chapter),

- 2007-2009.
- *Member*, Institute of Electrical and Electronics Engineers (IEEE) national chapter, 2008-present.
 - *Member*, Program Support Committee, Society for Design Process Science (SDPS) 2010 conference.
 - *Member*, SDPS, 2008-present.
 - *Member*, SDPS transition committee, 2008-present.
 - Nominated as an executive member of Indian Society for Technical Education (ISTE) Students' Chapter for the year 2000 – 2001.
 - *Participant*, Workshop, "How to Achieve Transdisciplinarity in Software Engineering Education," November 3, 2009, AUM, Montgomery, AL.
 - *Participant*, Workshop, "Design and Process Methodologies for Complex Social Systems," November 3, 2009, AUM, Montgomery, AL.
 - *Participant*, Workshop, "On Integration: Software as a Product of Transdiscipline," November 4, 2009, AUM, Montgomery, AL.
 - *Participant*, Workshop, "The Significance of Informatics in the 21st Century," November 4, 2009, AUM, Montgomery, AL.