

[Rajiv Malkan, Ph.D.](#)
CV

Professional Background:

Dr. Rajiv Malkan has over 30 years of leadership contributions in higher education within multiple settings. He has engaged in leadership roles including Founding Dean, Division Chair in transforming education delivery at an organization as well as classroom level. His involvement in driving key initiatives spans in education delivery, thought leadership, global partnerships, grant writing and international speaker engagements on emerging trends. He also holds proven expertise in shared governance within public institutions and regional college accreditation process and state compliances including Dual Credit/School-to Work/Tech Prep initiatives for academic and workforce programs.

Rajiv has led strategic planning and leadership development along with C-suite and committees. He has been a pioneer in developing alternative instructional delivery systems such as open entry/open exit courses, competency-based education (CBE), online learning and working with corporate clients for short term (need based) courses. He has also led curriculum development, effective facilities (classroom, schedule, instructor) management, and innovative course schedule for 6,000+ students organization that offered guaranteed class with no class cancellation policy and supervised more than 80 faculty and staff and has worked in an exemplary local governance structure where individual accountability and performance-based outcomes are key measures of effectiveness.

On the global front, Rajiv is active in globalizing the curriculum and has initiated unique immersion Spanish language curriculum with Universities in Mexico. He has conducted an in-depth qualitative skills gap research in workforce program in India and visited Vietnam and Kosovo to teach Business Management/Entrepreneurship and Technology seminars and foster potential exchange programs with universities globally.

Rajiv has been instrumental in soliciting external funding through grants from Department of Labor, Department of Education, Department of Defense, USAID, National Science Foundation (NSF) and Texas Workforce Commission. Currently, he is awarded (Sept 2017) a grant to incorporate Drones, Robots, Virtual Reality in the curriculum. In addition, he is a Principle Investigator (PI) of sub-recipient organization for NSF funded 5 years grant (2017-2022, \$4 million) for National Convergence Center.

Dr. Malkan holds Doctorate degree (US), Master degree (US) in Computer Science, Master degree (US) in Business Administration (MBA), and Master equivalent diploma (India) in Management and Marketing. He is a recipient of the prestigious Kellogg Fellowship in Leadership Development, The University of Texas at Austin, NISOD Excellence Award and Lone Star College-Montgomery Faculty Excellence Award. He is an active member of Society for Information Management (SIM-Houston), InfraGard Houston, Associate Computing Machinery (ACM), Texas Community College Teachers Association (TCCTA) -serving on Auditing Committee and held position as Chair for annual conferences for 15 years, and Association of Computer Educators in Texas (ACET) -serving as Treasurer and held position as President and Board Member.

Dr. Malkan is continuing his drive in cyber security and incorporating data driven decision making in higher education organization by presenting at various conferences on data analytics and tools, while executing on awarded grants and serving in community colleges, corporate education and undergraduate and graduate programs at local universities.

Education:

- 2002 – 2009** **University of Nebraska, Lincoln, Nebraska**
Doctorate in Higher Education Leadership (PhD) – May 2009
Dissertation Title: *Post-Secondary Technical Vocational Education Training: A Qualitative Case Study of Industrial Training Institute (ITI) in Maharastra State, India. (A skills-gap study)*
- 1983 - 1985** **Florida Institute of Technology, Melbourne, Florida**
M.S. in Computer Science - March, 1985
- 1981 - 1983** **Phillips University, Enid, Oklahoma**
M.B.A. concentration - Accounting, Marketing - May 1983
- 1979 - 1980** **Technical Board Maharashtra State, Bombay, India**
Post-Graduate Diploma in Management and Marketing - February, 1981
- 1975 - 1979** **University of Bombay, Bombay, India**
B.S. in Chemistry, Physics – May 1979

Technical Skills:

- Cloud Computing:** Azure, AWS, Cloud Data Storage Management (NTAP)
Data: Oracle DB, OBIEE and BI Stack, SQL, NoSQL,
R Studio, Tableau, PowerBI
Languages: Java, Python, C++, C#, HTML 5.0/CSS
Development: Project Management, Agile/SCRUM
Security: Cyber & Network Security, Digital Forensics, Ethical Hacking,
Mobile Device Security
LMS: BlackBoard, Desire to Learn, Canvass, Moodle

Professional Memberships:

- Society for Information Management (SIM) - Houston
- Association of Computing Machinery (ACM)
- Texas Community College Teachers Association (TCCTA)
- Association of Computer Educator's in Texas (ACET)
- InfraGard - Houston Chapter, Cyber Security-FBI alliance

Publications:

- Malkan Rajiv and Pisani Mike, Internationalizing the Community College Experience, Community College Journal of Research and Practice, Vol. 35 No. 11, 825-841.
- Malkan Rajiv and Watwood Britt, The Balanced Scorecard: Using a Business Tool to Assess College Performance, Academic Leadership, Vol. 8 No. 1 Winter 2001.
- Malkan Rajiv, Globalization of the Curriculum, 21st Century Learning Outcomes: A Collection of White Papers, Lone Star College - Montgomery.

Professional Experience:

- 9/2002 – Present** **Professor, Business and Computer Information Systems**
Lone Star College - Montgomery, Conroe, Texas
Responsibilities: Founding faculty sponsor for the International Student Organization, Habitat for Humanity/Social Impact Student Club and Computer Club. Lead various committees on campus and system wide - strategic planning, international initiatives, system facilities master plan, and other. Also, develop new online courses in different LMS systems and conduct in-class as well as virtual trainings for college and corporate courses. Key participant in new offerings development. Involve in grant development.
- 2/1995 – 8/2002** **Lone Star College - Montgomery, Conroe, Texas**
Founding Associate Dean
Business, Computer Technologies and Foreign Languages Division
Responsibilities: Provide leadership for a new campus in planning, development, hiring, evaluation, and improvement of instructional areas within the division including physical facilities, establish strategic directions for the division in conjunction with the mission and values of the college and the division, prepare and manage division's budget and articulate the curriculum with high schools and Universities. Additional responsibilities include, serving as School-to-Work/Tech-Prep liaison for the college, seek funding from external sources and establish partnerships with businesses and industries, and work closely with the Corporate and Continuing Education division to offer seamless workforce education programs and create a satellite campus for course offering in North East region of the county for underserved students.
- Related other responsibilities include -planning, budgeting and implementing the college's goals: to enhance student engagement and success through Guaranteed Annual Schedule, extended learning, integrating technology in the classrooms, globalizing the curriculum, maintaining adequate hardware and software to improve learning and building a student-centered and learner-centered college. Operate the division within the guidelines of the System Policies and Procedures, Texas Higher Education Coordinating Board (THECB) and the Southern Association of Schools and Colleges (SACS).
- Founding Administrator** – Since the campus opening in Fall 1995, as a direct report to Vice-President of Instructions supervise 80 faculty/staff members in different Programs such as Computer Science/Information Systems, Professional Office Technology, Graphics and Interactive Multimedia, Engineering Design, Business and Management and Foreign Languages.

1/1993 - 1/1995

**Lamar University, Orange, Texas (Known as Lamar State College-Orange)
Division Chair, Technical Programs:**

As a direct report to Vice-President of Academic Affairs supervise 30 faculty/staff members in different Programs such as Computer Information Systems, Criminal Justice, Electronics and Engineering Technology, Management, Office Technology, and Technical Accounting. Major achievements as below;

- Increased enrollment through the design and implementation of a comprehensive curriculum and by offering courses that reflect the local labor market and community needs.
- Initiated the concept of Faculty Senate and was elected as the founding President for the 1989-1990 term. Elected senator for 5 consecutive terms.
- Coordinated the creation of the campus development plan
- Developed an Academic Computer Technology Campus Plan (1992-1995).
- Implemented the Continuous Improvement concept within the division.
- Initiated strategic goals and an evaluation time-line for faculty contributions, curriculum reviews, academic course offerings, etc.
- Started the Learning Thru Peers program.
- Initiated International Food Festival Day and Multi-Cultural Week.
- Developed budget and manage fiscal responsibilities

8/1985 - 1/1995

Lamar University, Orange, Texas

Assistant Professor and Program Coordinator, Computer Information Systems; Responsibilities: Teach undergraduate computer programming languages, system analysis and design, micro-computer software applications, networking, management and accounting courses. Also responsible for course development and long range planning actions for uses of computer technology.

Awards / Honors / Grants:

- NISOD – Excellence Award, University of Texas, Austin, 2010
- Faculty Excellence Award, LSC-Montgomery, 2010
- Member, TCCTA- Member Services Team, 2008-2014, Auditing Team (2014-)
- Board Member, Association of Computer Educators in Texas (ACET), 1995-2002, 2003-2007, 2011-Present. Treasurer of ACET (2013-Present).
- President, Association of Computer Educators in Texas (ACET) 1997-1998
- Kellogg's Fellow for Expanding Diversity in the Community College, 1996
- Worked as team member for the following grants at LSCS

Project	Funding Agency	Amount	Funded
PATHWAYS	Department of Labor	\$4,497,874	Yes
Call Center	Texas Workforce Commission	\$1,083,593	Yes
Telecommunications	Texas Workforce Commission	\$1,062,182	Yes
WE CAN	Texas Workforce Commission	\$822,167	Yes
HI-TECH	Perkins	\$94,000	No
ACCESS	THECB	\$80,000	Yes
TEAM	Perkins-Leadership	\$75,000	Yes

- Partner with National Convergence Technology Center, NSF Funded (2017-2022) - \$4 Million
- Chancellor's Faculty Technology Innovation Grant, \$45,000, 2017 (Implementing Drones, Robots, Virtual Reality in programming courses)
- Co-Authored - Instructional Technology Center Grant, 1994 (\$1 million, funded)
- Summer Grant - Development of interactive multimedia tutorial, 1992
- Incentive Award - Initiating 2 + 2 Curriculum, 1990
- Incentive Award - Development of Computerized Grading System, 1990
- Awarded Tenure Status (LUO) - 1991
- Lamar University System - Board of Regents Merit Award, 1991
- Nominated - Minnie Piper Stevens Professor Award (State of Texas), 1990
- Authored numerous software projects for the campus such as Schedule Builder, Lotus Grade book macros, Internet training handouts, etc.

Technical Editor/Text Book/Proposal Reviews (*Recent Activities only*):

- Regularly review textbooks and author - Instructor Manual and Test Bank for various publishers.
- **Technical Editor**, Mike Meyer's Guide to PC Hardware, McGraw-Hill Technology Education, 2004
- **Technical Editor**, Mike Meyer's Guide to Operating Systems, McGraw-Hill Technology Education, 2004

Volunteering Experience:

Sydney 2000 Olympic, Sydney, Australia Volunteer, IBM Technology Team

As a member of the team, managed the print server network at the Media Press Center (MPC) in the Sydney Olympic Park. Responsibilities included generating different reports for athletic events, statistics, schedule of daily events including press conferences, distribution of reports in timely manner and in multi-languages, etc. for over 6,000 news agencies in the MPC. Maintained servers, print queues, printer load allocation and inventory control of supplies. Assisted reporters from different countries through interpreters to meet the press deadlines due to different time zones around the globe.

Atlanta 1996 Olympics, Atlanta, USA Volunteer, IBM Technology Team

As a member of the technology team was responsible to lead and implement the newly developed digitized accreditation badging system. The newly developed hardware and software technology were being used for the first time in Olympic history. The main responsibilities were to maintain the official database servers of athletes for accreditation, verify unauthorized personnel with International Olympic Committee (IOC) Officials, maintain badging workstations, digitized print system, and the image scanning devices for fingerprints. Assisted in modifying software code for transportation scheduling system, maintain serves, backup media, fax machines, walkie-talkie, kiosks and every aspect of technology in the Welcome Center.

COMMUNITY SERVICES:

(Recent Activities only)

- Treasurer, College Park High School PTA, 2010-2011
- Board Member and Web Master, College Park High School PTA, 2008-2010
- Volunteer, Habitat for Humanity
- Volunteer, Hurricane Katrina – Computer and database setup at Astrodome
- Chief Information Officer and Executive Board Member, Oak Ridge Woodlands Area Little League (ORWALL), 2003 - 2004
- Regularly make presentations to Lone Star College-Montgomery classes, local schools on India, Hinduism and technology related topics.
- President, Woodlands India Association (WIA), 2012, 1998, Secretary, 2005 and active founding member of the WIA for the last twenty years.
- Elected Member, Residential Design Review Committee, The Woodlands Association, 1996, 1997, 1999, 2000

PROFESSIONAL Presentations at Conferences (Selected activities only)

DEVELOPMENT: (Does not include attendance at other conferences)

- **Big Data Visualization & Analytics with Tableau: Workshop** (4 Hours), HI-TEC, Miami, July 2018
- **Big Data Visualization and Analytics with PowerBI and Tableau Course (5 Days)**, Summer Working Connections, Frisco, TX, July 2018, 2019
- **Big Data Analytics and Data Visualization DashBoard: Are We Teaching Our Students Such Skills?**, TCCTA, Frisco, TX, March 2018
- **Incorporating Secure Coding Concepts in the Curriculum**, WASTC, San Jose, Jan 2018
- **Integrating Data Visualization & Communication Tools in the Curriculum**, HI-TEC, Salt Lake City, July 2017
- **Big Data Visualization & Analytics: Workshop** (4 Hours), HI-TEC, Salt Lake City, July 2017
- **Big Data Visualization and Analytics: Bridging the Skills Gap, Keynote Address**, Summer Working Connections, July 2017, Frisco, TX
- **Integrating Data Visualization Labs in Curriculum**, ICT Educator's Conference, San Jose, 2017
- **MOODLE–Course Management System**, Texas Correctional Education Conference, Huntsville, 2016
- **Protecting Mobile Devices and Practicing Safe Cyber Hygiene**, NISOD, Austin, 2016
- **Are We Under Cyber Attack? How to Protect Our Online Privacy?**, TCCTA, Houston, 2016
- **Cyber Hygiene: Is your Mobile Device Safe**, NISOD, Austin, 2015
- **Creating-Personalized Learning Environment with Mobile Technology**, TCCTA, San Antonio 2014
- **Kosovo Improvement through Education (KITE) Trainer, NGOs and Businesses and Industry Groups – 12 days**, Pristina, Kosovo, 2012.
- **Technologies for Enhancing Student Learning and Engagement**, TCCTA, Frisco, 2012
- **Global Trends in Information Systems Management**, Hi-Tech Conference, LSCM, 2011
- **Engaging Students via Collaborative Learning Cloud Computing Applications**, NISOD, 2010.
- **Engaging Students with Web 2.0 Collaborative Tools**, Connected LSCS Conference Day, 2010.
- **The Forecast is Cloudy: Cloud Computing and its Applications for Collaborative Learning**, League for Innovation in Community Colleges Conference on Information Technology, Detroit, 2009
- **Chair, Computer Information Technology Section**, TCCTA Annual Conferences - Houston (2016), Dallas (2015), San Antonio (2014), Houston (2013), Frisco (2012), Forth-Worth (2011), Houston 2010, Austin 2009, Dallas 2008, Austin, 2007, Houston (2006), Austin (2005)
- **Office 2007: Hands-on Workshop**, Montgomery College Conference Day, Conroe, 2007
- **RSS Feeds – Incorporating in your classes: Hands-on Workshop**, Montgomery College, 2007
- **Moodle: An Open Source Alternative-Hands-On Workshop**, Half-Day workshop, Association of Computer Educators in Texas (ACET), Houston, 2006
- **Moodle: An Open Source Alternative for Distance Learning Management System**, ACET, Houston
- **Office 2007: A Glimpse of What's New**, League for Innovation in Community Colleges Conference on Information Technology, Charlotte, 2006
- **Vietnam – Educational Opportunities: A Pictorial Journey**, Global Education Conference, Gulf Coast Global Education Consortium, Houston, 2006
- **Community College Movement in India: Including the Excluded**, Community College International Development Annual Conference, Orlando, 2004.
- **Enhancing Student Services with Guaranteed Course Schedule**, League for Innovation Annual Conference on Innovations, Boston, 2002.
- **The Balanced Scorecard: Using Business Tool to Assess College Performance**, Chair Academy Annual Conference, Tampa, 2001.
- **Innovative Uses in Utilizing WebCT Tools for Classroom Management**, Texas Distance Learning Association Annual Conference, Houston, 2001.
- **Guaranteed Annual Schedule: An Effective Planning Tool**, League for Innovation Conference on Information Technology, Chicago, 1999.
- **Teaching computer courses using WebCT**, League for Innovation Conference, Chicago, 1999.
- **Guaranteed Annual Schedule: Your Political Class will not be Vetoed**, NISOD, Austin, 1999.
- **Internet Commerce and EDI**, League for Innovation - Conference on Information Technology, 1998
- **Globalization of the Curriculum**, League for Innovation Annual Technology Conference, 1997
- **Developing Databases on the Web**, League for Innovation Annual Technology Conference, 1997.
- **Conference Chair**, ACET annual conference, San Antonio, 1997
- **The Ins and Outs of IT Certification**, Course Technology Conference, Houston, 1997
- **Organized EComm '96 – Electronic Commerce Conference**, Montgomery College, 1996