

Curriculum Vitae

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Clemson University, 29634-0507

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Name: Vivek Sharma

Title: Assistant Professor
Account Manager/PI (CII)

I. ACADEMIC/PROFESSIONAL BACKGROUND

A. Educational Background

<i>Degree</i>	<i>Year</i>	<i>University</i>	<i>Major</i>	<i>Thesis/Dissertation</i>
Ph.D.	2017	The University of Texas, Austin, TX	Civil Engineering: (Construction Engineering Project Management)	Orienteering Factors to Support Health Care Project Definition
MS	2005	Arizona State University	Construction Engineering	Comparing quality on SR-51 design-build and ADOT design-bid-build freeway projects
B.Arch.	2001	National Institute of Technology (NIT), Raipur	Architecture	Adaptation of Vernacular Architecture in Modern Built Forms

B. University Experience

<i>Position</i>	<i>University</i>	<i>Dates</i>
Assistant Professor	Clemson University	2019 - Present
Account Manager/PI, <i>National Health Care Facilities Benchmarking Program</i>	<i>Funded by: Construction Industry Institute (CII) (Contract- Sept 2019)</i>	2017 - Present
Senior Lecturer, Engineering Technology	Texas State University, San Marcos, TX, United States	2011 - 2019
Account Manager <i>Health Care Performance Assessment</i>	Construction Industry Institute (CII), The University of Texas, Austin	2011 - 2017
Faculty Associate, <i>Del. E. Webb School of Construction</i>	Arizona State University	2005 - 2009
Graduate Research Assistant	Arizona State University	2004 - 2005
Graduate Teaching Assistant	Arizona State University	2003 - 2004

C. Relevant Professional Experience

<i>Position</i>	<i>Entity</i>	<i>Dates</i>
Project Manager/Engineer	Kitchell Construction Co., Phoenix, AZ, United States	2005 - 2009
Engineering Intern	Kiewit Western Co., Phoenix, AZ, United States	2004
Assistant Architect	Raja Aederi Consultants- Delhi, India & Indrajeet Construction Co.	2001 - 2004

Professional Work Summary:

Some of the main highlights include, lead pre-construction services to project closeout for Lincoln 40 Arrival, a 46-Acre hillside development including 13 Estate Lots and 32 Custom Lots including a high end (\$674/sf.) Reserve – Business center.

As a Project Engineer, I worked on a high-end hotel and condominium project – Hotel Valley Ho in Scottsdale AZ. As an intern, worked on the quantity takeoff on Salt River Project- Santan Expansion project for Kiewit. Additionally, I was a member of a core-committee for ‘Quality Improvement’ and made significant contribution towards developing Kitchell Construction Co.’s Best Practices Standards.

D. Other Professional Credentials (licensure, certification, etc.)

LEED, AP, US Green Building Council. (2009 - Present).

Registered Architect, Council of Architecture India 2002
License Number: COA/2002/29728

OSHA-10

E. Memberships in Professional Organizations:

American Society of Civil Engineers. (2016 - Present); American Society of Engineering Education. (2012 - Present); American Council for Construction Education (ACCE). (2010 - Present); Associated Schools of Construction (ASC). (2010 - Present); and US Green Building Council (USGBC). (2013-Present)

F. Industry Funding Raised for Program/Student Organization:

Raised over \$250,000 as faculty advisor for Construction Student Association (Texas State University) during 2012-2018.

II. TEACHING

A. Courses Taught:

Clemson University: (as Assistant Professor)

Graduate Program

CSM 8520 Construction Management Research Methods Fall 2020

CSM 8900-002 CII Best Practices – Project Management Fall 2020

Undergraduate Program

CSM 4540 – Construction Capstone 2019-Present

CSM 8900 – Directed Studies 2019-2020

Texas State University: (as Senior Lecturer)

CSM 4360 – Construction Management Capstone 2011-2019

CSM 4360 – Senior Construction Contract Administration 2011

CSM 4368 – Environmental Sustainable Design and Construction 2010-2016

CSM 4369 – Contract Liability and Ethics 2011-2019

TECH 1260 – Introduction to Construction and Concrete Industry 2010

TECH 2190 – Industrial Internship 2015-2019

TECH 3313 – Arch. Design II 2009-2010

TECH 3360 – Structural Analysis 2010-2011

TECH 3363 – Heavy Civil & Highway 2009-2010

TECH 4364 – Construction Project Management and Scheduling 2012-2013

TECH 4380 – Industrial Safety 2010-2011

TECH 4390 – Internship 2010-Cont.

TECH 4397 – Special Problems 2010-Cont.

Arizona State University: (as Faculty Associate)

CON 221 - Statics and Strength of Materials (Applied Statics) 2005-2009

CON 424 - Structural Analysis 2005-2009

B. Courses Prepared and Curriculum Development:

Revised CSM 4540 Construction Capstone from 6 credit hours to a 3 credit hours course. (2020)

Developed and taught CSM 4360: Senior Construction Management Capstone Course, Texas State University (100% Change). 2011-2019

Revised CSM 4369: Contracts Liability and Ethics, Revise Existing Course, Texas State University (85% Change). 2011-2019

Revised CSM 4368: Environmentally Sustainable Design and Construction, Texas State University (100% Change). 2010-2016

Revised TECH/CSM 3363 Heavy Civil and Highway construction, (100% Change). 2009-2010

Developed TECH/CSM 3360: Structural Analysis, Texas State University (100%). 2010-2011

Developed framework for Industrial Internship, First Time Course, Worked with the Industry Advisory Board and internship committee (Dr. Winek, Dr. Hager, and myself – 2010) to change the existing Internship structure that led to the development of TECH 2190. Texas State University (50% Change). 2015-2019

C. Funded External Teaching Grants and Contracts:

Sharma, V., Winek, G. TEXO Education and Research Foundation Grant, TEXO Education and Research Foundation, \$17,000.00, (Submitted: 2016). Grant.

D. Funded Internal Teaching Grants and Contracts:

Sharma, Vivek, Winek, G. Purchase of Workstations to meet the demands of graphic-design Intensive software requirement needed for 3D and complex student projects, Academic Computer Grant, Texas State University, \$40,118.82, (Funded: 2015 - 2016). Grant.

Sharma, Vivek, Thomas, K., Conaway, L.; Rising Star STEM Grant, NSF, LBJ Institute for STEM Education and Research, Texas State University, \$1,200, (Funded 2015-2016)

Sharma, Vivek, Through CSA – Student Organization Council Funding for Conference Travel, Texas State University. Cumulative \$2,000 (Funded 2013-2016)

III. SCHOLARLY/CREATIVE

A. Scholarly / Creative Grants and Contracts:

1. Funded External Grants and Contracts:

- i. Sharma, V., Mulva, S., Pappas, M., (2020) “Federal Facilities Data Analytics and Application Research Program.” Consortium of Federal Agencies. **\$1,800,00.00** (Approved 2020) - Sub-award being negotiated
- ii. Sharma, Vivek (2020 -2021); “Develop benchmarking and project analytics that advance capital project benchmarking in the facilities and healthcare sector.” Construction Industry Institute (CII), The University of Texas Austin, **\$108,344.00** (Funded 2020) Grant Awarded
- iii. Sharma, Vivek. Support CII’s National Health Care Capital Facilities Benchmarking Program, Construction Industry Institute (CII), The University of Texas Austin, \$35,432.70. (Funded: 2018 - 2019). Grant Awarded.
- iv. Sharma, Vivek. Support CII’s National Health Care Capital Facilities Benchmarking Program, Construction Industry Institute (CII), The University of Texas Austin, \$35,432.70. (Funded: 2017 - 2018). Grant Awarded.

2. Submitted, External Grants and Contracts:

- i. Sharma, V., Gajjar, D., Proposal for the external validation of escalation approach and corresponding indices, Kaiser Permanente, **\$15,542.00** (Submitted: March 27, 2020)
- ii. Sharma, V., Pappas, M., Mulva, S., Federal Facilities Data Analytics Research Program, Federal Agencies, **\$2,400,000.00** (Submitted: March 25, 2020)
- iii. Gajjar, D., Sharma, V., How do we welcome, Support, and Retain Women in the Roofing Contracting Industry, National Women in Roofing, **\$25,000.00.** (Submitted: 2020).
- iv. Gajjar, D., Sharma, V., Impact of Different Bidding Strategies in the Roofing Industry, Coalition for Procurement Reform, **\$52,184.00.** (Submitted: 2020).

3. Internal Grants and Contracts:

- i. Sharma, Vivek and Joseph, Anjali, and Allison, David (2020-2021); Quantitative and qualitative assessment of health “CARE” in a built environment. Richard H. Pennell Sr. Center for Research in Design and Building, **\$24,742 Grant Awarded** (12/19/2019)

- ii. Sharma, Vivek and Gajjar, Dhaval (2020) “Rank the prevalent needs of the industry in the SE region to identify areas of focus.” Industry Advisory Board – Nieri Department of Construction Science and Management, **\$25,000.00** Grant Awarded. (2019)

4. Submitted, but not Funded, External Grants and Contracts:

- i. Ries, R, Rybkowski, Z., Sharma, Vivek, The Relationship between the Built Environment and the Business Case: Developing and testing a BIM-based tool to estimate the impact of the built environment on the business case: A Proof of Concept. **\$90,000**

4. Summary of Grants (Awarded/Submitted)

#	Name (Funding Agency)	PI/Co-PI	Dollar Amount	Status
External Grants				
1	Healthcare Lab (CII)	PI	\$108,344.00	Awarded
2	Demographics (IAB)	Co-PI	\$25,000.00	Awarded
3	Escalation (Kaiser Permanente)	Co-PI	\$15,542.00	Submitted
4	CII – FF DAARP (Federal Agencies)	Co-PI	\$1,800,000.00	Approved
5	National Women in Roofing	Co-PI	\$25,000.00	Submitted
6	Coalition of Procurement Reform	Co-PI	\$52,184.00	Submitted
Internal Grants				
7	Pennell Grant	Co-PI	\$24742.00	Awarded

B. Peer Reviewed Journal Articles (Published, In Press, and/or Accepted with inprogress):

1. Journal Articles: (Published)

- i. Mousavi, E., Sharma, V., Gajjar, D. and Shoai Naini, S. (2020), "Renovation in hospitals: a case study on the use of control cubes for local repairs in health-care facilities", Journal of Facilities Management, Vol. 18 No. 3, pp. 247-257. <https://doi.org/10.1108/JFM-02-2020-0009> (Published: July 06, 2020)
- ii. Smith, C.C., and Sharma, V., (2020), “PERT, CPM and the Tangled History of Network Scheduling”, Journal of American Institute of Constructors. (Accepted: June 16, 2020)
- iii. Sharma, V., Caldas, C., Mulva, S., (2019) Identify and Prioritize Health Care Facility Data in an External Data Repository. – Journal of Construction Engineering and Management (ASCE), [https://doi.org/10.1061/\(ASCE\)CO.1943-7862.0001692](https://doi.org/10.1061/(ASCE)CO.1943-7862.0001692) (Published: December 09, 2019)
- iv. Sharma V., Caldas, H. C., Mulva, P. S. (2019) Development of metrics and an external benchmarking program for healthcare facilities, International Journal of Construction Management, DOI: 10.1080/15623599.2019.1573490 (Published: March 07, 2019)

2. Journal Articles: (Submitted)

- v. Gajjar, D., Anderson, C., Good, W., Sharma, V., Mousavi, E. (2020). “Curriculum Framework Development: A Case Study of Implementing a Construction Management Roofing Course” CIP W117 Journal of Advanced Performance Information and Value. (Submitted: September 17, 2020)

3. Journal Articles: (In-Progress)

- vi. Sharma, V., Mousavi, E., Gajjar, D., Smith, C., Matos, N. (2020). “Regulatory Framework Around Data Governance and External Benchmarking” Intended for Journal of Legal Affairs and Dispute Resolution in Engineering and Construction
- vii. Sharma, V., Caldas, C., Yin, Z., Yun, S., Oliveira, D., Mulva, S., (2020). A Comprehensive Framework and Investigation of Cost Normalization Procedure for National Health Care Facility Benchmarking Program. Canadian Journal of Civil Engineering
- viii. Ponathil, A, Madathil, K., Sharma, V. (2020). Investigation of the factors influencing the online consumer’s choice of a construction contractor for home improvement. (Journal: TBD)
- ix. Sharma, V., Caldas, C., Ehsan, M., Mulva, S., (2021). Quantitative Measure for Similarity of Retrieved Health Care Projects from an External Data Repository. – International Journal of Project Management.
- x. Sharma, V., Caldas, C., Mulva, S., (2021). Early Basis of Decisions and Orienteering for Healthcare Owners – International Journal of Construction Management.
- xi. Sharma, V., Gajjar, D., Clarke, S., (2022) Comparative Analysis of Integrated Project Delivery (IPD) and Construction Management at Risk (CMR) Project Delivery Systems Cost and Schedule performance for Health Care projects. Journal of Construction Engineering and Management.

C. Conference Proceedings:

1. Refereed Conference Proceedings: (Published)

- i. Sharma, V., Yun, S., Oliveira, D., Mulva, S., Caldas, C. (2015). Development of a Cost Normalization Procedure for National Health Care Facility Benchmarking Program. Proceedings of the International Construction Specialty Conference (ICSC15): The Canadian Society for Civil Engineering 5th International/11th Construction Specialty Conference, University of British Columbia, Vancouver, Canada. (2015).

- ii. Sharma, V., Sriraman, V. (2012). Development and Implementation of an Industry Sponsored Construction Management Capstone Course. Paper presented at Proceedings of the 2013 ASEE Conference.

D. Reports:

Sharma, V. Yun, S., Mulva, S., (2014). *National Health Care Facility Benchmarking Summary Report, 2011-2013*. Austin, TX: The University of Texas.

Sharma, V., Ernzen, J. (2005). *Comparing quality on SR-51 design-build and ADOT design-bid-build freeway projects, 2004-2005, Report for the Arizona Department of Transportation*. Tempe, AZ: Arizona State University.

Badger, W., Sharma, V., Campbell, M. (2003). *Construction Industry Awards II, 2004-2005*. Tempe, AZ: Arizona State University.

E. Invited Talks, Lectures, and Presentations:

1. Papers Presented at Professional Meetings:

Sharma, V., Yun, S., Oliveira, D., Mulva, S., Caldas, C., Proceedings of the International Construction Specialty Conference (ICSC15): The Canadian Society for Civil Engineering 5th International/11th Construction Specialty Conference, "Development of a Cost Normalization Procedure for National Health Care Facility Benchmarking Program," University of British Columbia, Vancouver, Canada. (2015).

Sharma, V., Sriraman, V., Proceedings of the 2013 ASEE Conference, "Development and Implementation of an Industry Sponsored Construction Management Capstone Course." (2012).

2. Key Presentations:

Sharma, V., "Healthcare Research Portfolio – A path forward", Clemson University School of Healthcare Research, September 22, 2020.

Sharma, V., "Orienteering Factors to Support Healthcare Project Definitions", Fall 2020 PDDB Colloquium, September 18, 2020

Sharma, V., DeGezelle, D., Wible, R., Pappas, M., "FF-DARAP Steering Team 2nd Update", September 08, 2020

Sharma, V., DeGezelle, D., Wible, R., Pappas, M., "FF-DARAP Steering Team 1st Update", August 18, 2020

Sharma, V., DeGezelle, D., Wible, R., Department of Commerce - NIST; "Federal Facility Data Analytics Research and Application Project", July 27, 2020

Sharma, V., Pappas, M., Mulva, S., DeGezelle, D., Wible, R., "Federal Facilities Data Analytics Research and Application Project – Virtual Kickoff" July 09, 2020

Sharma, V., Benchmarking/Technology Advisory Group, Construction Industry Institute – “Data Governance – Federal Regulations”, May 14, 2020

Sharma V., USACE: Corp. of Engineers; “National Health Care Facilities Benchmarking – An Overview”, April 28, 2020

Sharma V., Gajjar, D., Davis, D., NfCSM-IAB Research Steering Committee – “Workforce Demographics / Knowledge Transfer – Prevalent Need of the Industry – Kick-off Meeting”, April 28, 2020.

Sharma, V., DeGezelle, D., Wible, R., CII-USACE: Corp of Engineers; “Federal Facility Data Analytics Research Path”, April 24, 2020

Sharma, V., DeGezelle, D., Wible, R., CII-NIST: Department of Commerce; “Federal Facility Data Analytics Research Path”, April 22, 2020

Sharma, V., DeGezelle, D., Wible, R., CII-AOC: Architect of the Capital; “Federal Facility Data Analytics Research Path”, April 21, 2020

Sharma, V., DeGezelle, D., Wible, R., CII-SI: Smithsonian Institute; “Federal Facility Data Analytics Research Path”, April 20, 2020

Sharma, V., DeGezelle, D., Wible, R., CII-OBO: Department of State – Office of Building Overseas; “Federal Facility Data Analytics Research Path”, April 17, 2020

Sharma, V., DeGezelle, D., Wible, R., CII-NASA: National Aeronautics and Space Administration; “Federal Facility Data Analytics Research Path”, April 13, 2020

Sharma, V., DeGezelle, D., Wible, R., CII-TVA: Tennessee Valley Authority; “Federal Facility Data Analytics Research Path”, April 07, 2020

Sharma, V., DeGezelle, D., Wible, R., CII-DoE: Department of Energy; “Federal Facility Data Analytics Research Path”, April 01, 2020

DeGezelle, D., Mulva, S., Pappas, M., Sharma, V., Facilities and Healthcare Sector- Federal Agency Consortium: “CII Federal Agency Data Analytics Research Project Workshop”, March 25, 2020

Sharma, V., Merial, S., Kaiser Permanente; “Escalation Analysis”, February 18, 2020

Sharma, V., Benchmarking/Technology Advisory Group, Construction Industry Institute, “Discussion: Data Structure within Data warehouse” October 12, 2019

Sharma, V., Hemstreet, R., McLaughlin P., HealthPoint – Innovating Healthcare Construction, Renovation, Engineering and Facilities Conference, “National Healthcare Facilities Benchmarking Program – Peer Review,” Austin, TX, United States.

(Texas State – Kaiser Permanente – Adventist Health: September 25, 2018)

Sharma, V., Ritter, B. Crotty R., Koulouris T., Shah S., 12th Annual Healthcare Design & Construction Symposium, “Key Health Care Metrics from External Benchmarking and Capital Project Approvals - An Industry Perspective,” Vanderbilt University, Nashville, TN, United States.

(Texas State – CII – HCA – AECOM – Kaiser Permanente: August 08, 2018)

Sharma, V., and Merial, S., “Facilities and Health Care Sector Committee Meeting - Update on Health Care Facilities Benchmarking,” Construction Industry Institute, Austin, TX, United States.

(CII and Kaiser Permanente: October 25, 2017)

Sharma, V., and Gokhale, S., “National Health Care Facilities Benchmarking Training 2017,” HCA Healthcare, Nashville, TN, United States.

(CII – Vanderbilt – Texas State Collaboration: August 29, 2017)

Sharma, V., Kahn, N., PDC Summit (ASHE Conference), Health Facility Planning, Design & Construction, "National Health Care Facility Benchmarking Program,” San Diego, CA, United States. (March 20, 2016).

Sharma, V., and Gokhale, S., “National Health Care Facilities Benchmarking Training 2017,” LifePoint Health, Brentwood, TN, United States. (August 28, 2017)

Sharma, V., and Ritter, B. "Health Care Benchmarking Associate Training," MD Anderson, Houston, TX, United States. (December 13, 2016).

Sharma, V., “CII’s Healthcare & Facilities Sector Committee – Health Care Benchmarking,” Construction Industry Institute, Jersey City, NJ, United States, (October 25-26, 2016)

Sharma, V., National Health Care Steering Committee Meeting, "Progress and Challenges of Health Care Benchmarking Program,” U.S. Department of Veteran Affairs, Washington, DC, United States. (December 7, 2016).

Mulva, S., and Sharma, V., “National Health Care Facilities Benchmarking Training 2016,” DPR Construction, Houston, TX, United States. (May 04, 2016)

Sharma, V., 9th Annual Healthcare Design & Construction Symposium, "Health Care Benchmarking for Owners”, Vanderbilt University, Nashville, TN, United States. (August 5, 2015).

Mulva, S., and Sharma, V., “National Health Care Facilities Benchmarking Training 2014,” Kaiser Permanente, Oakland, CA, United States. (November 04-05, 2014)

Mulva, S., and Sharma, V., “National Health Care Facilities Benchmarking Steering Committee,” U.S. Department of Veteran Affairs Washington, DC, United States. (April 17, 2013)

Mulva, S., and Sharma, V., “National Health Care Facilities Benchmarking Training 2013”, Houston, TX, United States, (March 22, 2013)

Mulva, S., and Sharma, V., “National Health Care Benchmarking Associate Training 2013,” Vanderbilt University, Nashville, TN, United States, (January 17, 2013)

Mulva, S., and Sharma, V., “National Health Care Benchmarking Associate Training 2013”, Kaiser Permanente, Oakland, CA, United States. (October 25, 2012)

Mulva, S., Dai, J., Sharma, V., “National Health Care Facilities Benchmarking Steering Committee”, U.S. Department of Veteran Affairs Washington, DC, United States. (July 12, 2012)

Sharma, V., “Leadership in Energy and Environment Design – Environmental Justice and Human Rights,” Philosophy Dialogue Series /Symposium, Texas State University, San Marcos, United States. (October 28, 2010)

F. Scholarly / Creative Fellowships, Awards, Honors:

Performance Assessment Sub-Committee Chair – (2019 – Present)
CII’s Facilities and Healthcare Sector Committee

Tucker Hudson Kumar Presidential Fellowship Recipient: (2011-2012)
The University of Texas Austin.

Coach: ASC Region V Commercial Team Champion (1st Place) (2015)

Coach, NAHB Student Competition: NAHB Rookie of the Year Award. (2014)

Coach and Faculty Advisor for ABC Student Chapter
National Safety Award Rank 2 (2014)

National ABC Student Chapter of the Year – (2018-2019)
(2016-2017)

National Student Competition Rank 3 (2014)

National Safety Award Rank 3 (2015)

National Project Management Award Rank 3 (2014)

Texas State Quality Team Award – Common Experience Team – (2010-2011)
“Sustainability: Science, Policy, and Opportunity,” Texas State University

Honorary Mention: Design Competition, Urban Land Institute. (2003)

G. Scholarly / Creative Professional Development Activities Attended:

Symposium (August 05-06, 2020)
14th Annual Healthcare Design & Construction Symposium – Building a Resilient Path to Future, Virtual, Vanderbilt University, TN, United States.

Workshop (January 15-17, 2020)
Benchmarking Advisory Group/Technology Advisory Group (BAG/TAG) Committee Meet, Construction Industry Institute, Austin, TX, United States

Workshop (October 11-12, 2019)
Benchmarking User’s Group/Technology Advisory Group (BUG/TAG) Committee Meet, Chevron, Houston, TX, United States

Workshop (October 03-04, 2019)
Facilities and Healthcare Sector Committee Meet (FHC), Deployment Sub-Committee Chair Reporting, Washington, DC, United States,

Performance Assessment Booth, (October 8-10, 2017)
“CMAA National Conference and Trade Show 2017,” Construction Management Association of America, Washington, DC, United States.

Workshop, (March 2012).
"DPR Workshop – BIM Training on MEP Coordination using Navisworks 2009," Building Information Group, Austin, TX, United States.

Seminar, (March 2011)
“Sustainability, Codes, and Mobile Judgment in the Built Environment.” By Steven A. Moore and Barbara B., Texas State University, San Marcos, TX, United States.

Workshop, (February 25, 2011).
"ACCE Visitor Training," by James Goddard, American Council for Construction Education (ACCE), Ft. Lauderdale, FL, United States.

Training, (January 31, 2011)
“How Contractors Use REVIT,” DPR Construction, Austin, Texas, United States.

Workshop, (September 24, 2010).
"DPR Workshop,"- Integrated Project Delivery, BIM, and Lean Technology, Building Information Group, Austin, TX, United States.

Workshop, (May 18-19, 2010)
“Infusing Sustainability into the Curriculum Workshop,” Texas State University, San Marcos, TX, United States.

Workshop, (February 17-20, 2010)
"Accreditation Workshop," American Council for Construction Education (ACCE),
Albuquerque, NM, United States.

Attended Conference, . (October 1-2, 2009)
45th ASC Regional, and TEXO Educators Conference – The World of BIM and
Lean Construction,” Dallas, TX, United States

IV. SERVICE

A. Institutional

1. Clemson University:
 - Faculty In-Charge/ Coach for ABC Student Chapter (2019 – Present)
 - Judge ABC Carolinas Award System (2019)
2. Manuscript Reviews
 - a. International Journal of Construction Management
 - b. Canadian Journal of Civil Engineering
 - c. International Journal of Industrial Engineering
 - d. Journal of Construction Engineering and Management
3. Texas State University:
 - Member, College of Science and Engineering Class/Lab Improvement Committee. (2011 - 2019).
 - Bobcat Days. (2009 - 2019).
 - Strategic Planning for CSM Program (2017-2022)
(2012-2017)
 - Online CSM Graduate Degree Program Development Committee (2017 – 2019)
 - Faculty In-Charge/ Coach for CSM Student Competitions (2011 – 2019)
 - ASC Region V
 - ABC National (2012 onwards)
 - NAHB National (2014 onwards)
 - Co-Director/Faculty Liaison for Construction Advisory Board (2017 – 2019)
 - Faculty Advisor, Construction Student Association (CSA). (2009 – 2019)

Support ACCE Accreditation. (2009 – 2019).
CSM Undergraduate Student Advisor. (2009 – 2019)
Convocation Ceremony (Graduation) (2009 – 2019)
Faculty Advisor, Associated Builders, and Contractors (ABC). (2012 – 2019)
Member, Search Committee, CSM, Professor of Practice (2018 – 2019)
Member, Search Committee, CSM, Professor of Practice. (2016 – 2017).
Member, Search Committee, CSM, Assistant Professor, (2011 – 2012)
Member, Search Committee, CSM Assistant Professor. (2010 - 2011).
Internship Advisor. (2010).

B. Community Service:

Texas State University Advisor, BOKO Build. (2014 - 2019).
Four major renovation work including two homes, VFW Post, and Homeless shelter concluded.

Texas State University Advisor, Ramp Build. (2013 - 2019).
38 Ramps in collaboration with Texas Ramps were built for the community through CSA.