**TEXAS STATE VITA**

**I. Academic/Professional Background**

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| A. | Name: Krishna P. Kisi | Title: Assistant Professor |

B. Educational Background

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| --- | --- | --- | --- | --- | --- |
| *Degree* | *Year* | | *University* | *Major* | *Thesis/Dissertation* |
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Ph.D., August 2015, University of Nebraska-Lincoln, Engineering, Estimation of Optimal Productivity in Labor-Intensive Construction Operations

M.S., August 2010, University of Nevada, Las Vegas, Construction Management, High School Student Interests in Architecture, Construction, and Engineering Education

B. S., December 2007, Tribhuvan University, Civil Engineering

C. University Experience

Assistant Professor, Texas State University, August 2020 to present

Assistant Professor, Central Connecticut State University, August 2018 to July 2020

Assistant Professor, Missouri Western State University, August 2015 to July 2018

D. Relevant Professional Experience

Project Engineer, United Builders Joint Venture with Munna and Acharya Construction Company Pvt. Ltd., Nepal, 2007-2008

Junior Engineer, Bhaktapur Municipality, Government of Nepal, 2001-2003

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

Professional Engineer License, Civil Construction (Texas)

OSHA 30 Construction Safety and Health Certificate

Nepal Engineering Council License, Civil

**II. TEACHING**

A. Teaching Honors and Awards:

B. Courses Taught:

CSM 5369 – Construction Dispute Resolution

CSM 4369 – Construction Contracts, Liability, and Ethics

CM 135 - Construction Graphics/Quantity Take-Off

CM 145 - CAD and BIM Tools for Construction

CM 235 - Building Construction Systems

CM 353 - Introduction to Surveying

CM 405 - Topics in Construction: ASC regional Student competition

CM 465 - Construction Internship

CM 485 - Construction Management Senior Lab

CM 595 – Planned Research Project

CET 254 - Construction Methods and Equipment

CET 256 - Bituminous, Concrete and Soils

CET 360 - Construction Management

CET 454 - Construction Estimating

CET 480 - Construction Planning and Scheduling

EGT 520 - Project and Process Management

EGT 690 - Research/Capstone Project

C. Directed Student Learning (i.e. theses, dissertations, exit committees, etc.):

* Umar Khan (May 2020), theses, A Comparative Study of Project Components of Smart Cities.
* Chandana Chereddy (May 2018), theses, Uses of Augmented Reality in Interior Designing
* Santosh Bhandari (May 2017), theses, Use of Information Technology by Architect, Engineers, Contractors and Manufacturers: A Comparative Study

D. Courses Prepared and Curriculum Development:

* Virtual Design and Construction
* Women in construction: safety and understanding the construction industry
* Game and simulation-based learning modules in construction management curriculum
* Construction engineering mechanics
* Construction estimating II

E. Teaching Grants and Contracts

1. Funded External Teaching Grants and Contracts:

2. Submitted, but not Funded, External Teaching Grants and Contracts:

3. Funded Internal Teaching Grants and Contracts:

* eSports Curriculum Development Grant (2019-2020). “Developing Game and Simulation-Based Learning Modules in Construction Management Curriculum.” Total award: $8500
* Diversity Curriculum Development Grant 2020. “Women in Construction: Safety and Understanding the Construction Industry,” Total Award $2900
* AAUP Winter Curriculum Development Grant (2019-2020). “Creating Course Content for ‘Virtual Design and Construction’” Total award: $600

4. Submitted, but not Funded, Internal Teaching Grants and Contracts:

F. Other:

G. Teaching Professional Development Activities Attended

* Training Resources Applied to Mining Seminar, MSHA, Beaver, WV October 2019
* American Council for Construction Education (ACCE) Annual Meeting, Philadelphia, PA July 2019
* Construction Engineering Curriculum for New Generation Workshop, Montreal, CA June 2019
* Accreditation Board for Engineering and Technology Symposium, San Diego, CA April 2018

**III. SCHOLARLY/CREATIVE**

A. Works in Print (including works accepted, forthcoming, in press):

**Kisi, K.P**., and Sulbaran, T. (2022) “Correlation between Brain Cognitive Response and On-line questionnaire during a Construction Safety Training in Virtual Reality”, *Construction Research Congress*, Arlington, Virginia, March 9-12, 2022

Sulbaran, T. and **Kisi, K.P**., (2022) “Using Functional Near-infrared Spectroscopy (fNIRS) to Evaluate the Construction Decision Making Inventory”, *Construction Research Congress*, Arlington, Virginia, March 9-12, 2022

Kisi, K.P., Kayastha, R., and Chitrakar, Y. “Construction claims and payment disputes in a public project: Is alternative dispute resolution worth it?” International LADR Workshop, July 27-28, 2022, Cairo, Egypt (abstract accepted)

1. Books:

a. Scholarly Monographs:

b. Textbooks:

c. Edited Books:

d. Chapters in Books:

e. Creative Books:

2. Articles:

a. Refereed Journal Articles:

**Kisi, K**.**P**, Tukkaraja, P., & Eltschlager, K. (2021). Dispute Resolution in the Mining Industry: Lessons Learned from the Effects of Blasting on Nearby Structures. *Journal of Legal Affairs and Dispute Resolution in Engineering and Construction*, 13(3), 05021005.

Shrestha, K., Deshar, R., **Kisi, K. P**., & Taffazzoli, T. (2021). Data Digitization to Mitigate Legal Disputes during Reconstruction in Earthquake-Prone Areas. *Journal of Legal Affairs and Dispute Resolution in Engineering and Construction*, 13(2), 05021001.

**Kisi, K.P**., Kayastha, R., and Shrestha, P. P., (2020) “Back Charges in Construction Contract: Case Study of Airport Project” *Journal of Legal Affairs and Dispute Resolution in Engineering and Construction,* 12(3), 05020010

**Kisi, K.P**., Shrestha, J., and Kayastha, R., (2020) “Labor Shortage and Safety Issues in Post-earthquake Building Construction: A Case Study” *Journal of Legal Affairs and Dispute Resolution in Engineering and Construction,* 12(3), 05020011

**Kisi, K.P.,** Lee, N., Kayastha, R., and Kovel, J. (2019) “Alternative Dispute Resolution Practices in International Road Construction Contracts” *Journal of Legal Affairs and Dispute Resolution in Engineering and Construction.* 10.1061/(ASCE)LA.1943-4170.0000373

**Kisi, K.P**., Mani, N., Rojas, E., and Foster E. (2018). “Estimation of optimal productivity in labor-intensive construction operations: Advanced study,” *Journal of Construction Engineering and Management,* 144(10), 04018097

Mani, N., **Kisi, K.P**., Rojas, E., and Foster E. (2017). “Estimating Labor Productivity Frontier: A Pilot Study,” *Journal of Construction Engineering and Management,* 143(10), 04017077.

**Kisi, K.P**., Mani, N., Rojas, E., and Foster E. (2016). “Estimating Optimal Productivity in Labor-intensive Construction Operations: A Pilot Study,” *Journal of Construction Engineering and Management,* 143(3), 04016107

b. Non-refereed Articles:

3. Conference Proceedings:

a. Refereed Conference Proceedings:

**Kisi, K. P**., Talley, K. G., Spencer, B. J., Hatipkarasulu, G. S., & Lawrence, G. B (2021). Gaming our Way to Increased Math Self-efficacy and Opening the Gate to STEM Majors, 2021 ASEE Annual Conference and Exposition.

Talley, K. G., **Kisi, K. P**., Hatipkarasulu, G. S., Spencer, B. J., & Lawrence, G. B. (2021). Work in Progress: Finding the Holes in Safety Education 2021 ASEE Annual Conference and Exposition

**Kisi, K.P**., Kayastha, R., Pradhananga, N., and Shrestha. J. (2020) “Factors Contributing Building Reconstruction and Renovation Challenges: A Case Study After April 2015 Gorkha Earthquake”, *Construction Research Congress*, Tempe, Arizona, March 8-10, 2020

Rokooei, S., **Kisi, K**., and Shojaei, A., (2020) “Students’ Perceptions on Mastering Construction Content in Different Educational Models”, *Construction Research Congress*, Tempe, Arizona, March 8-10, 2020

Tafazzoli, M., **Kisi, K**., and Shrestha, K., (2020) “Investigating the Relative Importance Barriers to Sustainable Construction Related to Owners, Contractors, and Government”, *Construction Research Congress*, Tempe, Arizona, March 8-10, 2020

**Kisi, K.P**., Mani, N., Lee, N., Shrestha, J. and Kayastha, R., (2019) “Opportunities and Challenges in Modular Construction in Developing Nations: A Case Study in Nepalese Construction Industry” *7th CSCE International Construction Specialty Conference,* Montreal, Canada, June 12-15, 2019

**Kisi, K.P**., Lee, N., Shrestha, K. and Bhandari, S., (2019) “Construction Industry Professionals’ Perspective Towards Communication Technology and Education” *7th CSCE International Construction Specialty Conference,* Montreal, Canada, June 12-15, 2019

Mani, N., and **Kisi, K.P**., (2019) “Innovative Approach for Estimating Labor Productivity: A Case Study” *7th CSCE International Construction Specialty Conference,* Montreal, Canada, June 12-15, 2019

Lee, N., Kim, S., and **Kisi, K.P**., (2019) “A Statistical Analysis of the Effectiveness of Using 3D Models in Teaching Quantity Take-Off Process” *7th CSCE International Construction Specialty Conference,* Montreal, Canada, June 12-15, 2019

**Kisi, K.P**., Mani, N., Rojas, E., and Foster. T. (2018) “Optimal Labor Productivity: A Case Study of a Sheet Metal Bending Task,” *Proc.,* *Construction Research Congress*, New Orleans, Louisiana, April 2-5, 2018.

Mani, N., **Kisi, K.P**., Rojas, E., and Foster. T. (2018) “Multi-level Hierarchical Analysis for Productivity Frontier Estimation,” *Proc.,* *Construction Research Congress*, New Orleans, Louisiana, April 2-5, 2018.

Mani, N., **Kisi, K.P**., Rojas, E., and Foster. T. (2017) “Labor Productivity Frontier: A Case Study of Two Crews,” *The Associated School of Construction 53rd Annual International Conference,* Seattle, Washington, April 5-8, 2017.

**Kisi, K.P**., Mani, N., Rojas, E., and Foster. T. (2016) “A Case Study on Estimating Optimal Productivity,” *Proc.,* *Construction Research Congress*, San Juan, Puerto Rico, May 31-June 2, 2016.

Mani, N., **Kisi, K.P**., Rojas, E., and Foster. T. (2016) “A Case Study on Estimating Labor Productivity Frontier,” *The Associated School of Construction 52nd Annual International Conference,* Provo,Utah, April 13-16, 2016.

**Kisi, K.P**., Mani, N., and Rojas, E. (2014) “Estimating Optimal Labor Productivity: A Two-Prong Strategy,” *Proc.,* *Construction Research Congress*, Atlanta, Georgia, May 19-21, 2014.

Mani, N., **Kisi, K.P**., and Rojas, E. (2014) “Estimating Labor Productivity Frontier: A Pilot Study,” *Proc.,* *Construction Research Congress*, Atlanta, Georgia, May 19-21, 2014.

**Kisi, K.P**., Shields, D.R., and Shrestha, P. (2011) “Factors Influencing High School Students to Pursue a Construction Baccalaureate,” *The 47th Associated School of Construction Annual International Conference*, Omaha, Nebraska, April 6-9, 2011.

**Kisi, K.P**., Shields, D.R., and Shrestha P. (2011) “Identifying Factors that Influence the High School Students’ Choices to Pursue Architecture, Construction and Engineering Baccalaureates,” *The 2nd International Conference on Education, Training and Informatics*, Florida, March 27-30, 2011.

Shields, D.R. and **Kisi, K.P.** (2011) “Factors Influencing High School Students to Pursue an Engineering Baccalaureate,” The 118th American Society of Engineering Education Annual Conference & Exposition, Vancouver, Canada, June 26-29, 2011

b. Non-refereed:

4. Abstracts:

Kisi, K.P., and Bhattarai, S. “Analysis of contractor’s claim types and difficulties on a hydropower project” International LADR Workshop, October 31-November 1, 2022, Gold Coast, Australia (abstract accepted)

Kayastha. R. and Kisi, K.P. “A comparative analysis of sustainable construction and conventional building construction” International LADR Workshop, October 31-November 1, 2022, Gold Coast, Australia (abstract accepted)

5. Reports:

6. Book Reviews:

7. Essays:

8. Poems:

9. Short Stories:

10. Other Works in Print:

B. Works Not in Print:

1. Papers Presented at Professional Meetings:

**Kisi, K.P**., Kayastha, R., Pradhananga, N., and Shrestha. J. (2020) “Factors Contributing Building Reconstruction and Renovation Challenges: A Case Study After April 2015 Gorkha Earthquake”, *Construction Research Congress*, Tempe, Arizona, March 8-10, 2020

**Kisi, K.P.,** Kayastha, R., and Shrestha, P. P., (2020) “Investigation of Back Charges in Construction Contract: A Case Study of an Airport Project” *Construction Institute Summit,* Los Angeles, CA February 20-22, 2020

**Kisi, K.P.,** Shrestha, J., and Kayastha, R., (2020) “Labor Shortage and Safety Issues in Post-earthquake Building Construction: A Case Study” *Construction Institute Summit,* Los Angeles, CA February 20-22, 2020

**Kisi, K.P**., Mani, N., Lee, N., Shrestha, J. and Kayastha, R., (2019) “Opportunities and Challenges in Modular Construction in Developing Nations: A Case Study in Nepalese Construction Industry” *7th CSCE International Construction Specialty Conference,* Montreal, Canada, June 12-15, 2019

**Kisi, K.P**., Lee, N., Shrestha, K. and Bhandari, S., (2019) “Construction Industry Professionals’ Perspective Towards Communication Technology and Education” *7th CSCE International Construction Specialty Conference,* Montreal, Canada, June 12-15, 2019

Lee, N., Kim, S., and **Kisi, K.P**., (2019) “A Statistical Analysis of the Effectiveness of Using 3D Models in Teaching Quantity Take-Off Process” *7th CSCE International Construction Specialty Conference,* Montreal, Canada, June 12-15, 2019

Mani, N., **Kisi, K.P**., Rojas, E., and Foster. T. (2017) “Labor Productivity Frontier: A Case Study of Two Crews,” *The Associated School of Construction 53rd Annual International Conference,* Seattle, Washington on April 5-8, 2017

**Kisi, K.P**., Mani, N., Rojas, E., and Foster. T. (2016) “A Case Study on Estimating Optimal Productivity”, *Construction Research Congress*, San Juan, Puerto Rico, May 31-June 2, 2016

Mani, N., **Kisi, K.P**., Rojas, E., and Foster. T. (2016) “A Case Study on Estimating Labor Productivity Frontier,” *The Associated School of Construction 52nd Annual International Conference,* Provo,Utah, April 13-16, 2016

**Kisi, K.P**., Mani, N., and Rojas, E. (2014) “Estimating Optimal Labor productivity: A Two-Prong Strategy”, *Construction Research Congress*, Atlanta, Georgia, May 19-21, 2014.

**Kisi, K.P**., Mani, N., and Rojas, E. (2014) “Estimating Optimal Labor Productivity: A Pilot Study”, *The Durham School Ph.D. Symposium*, Omaha, Nebraska, March 13-16, 2014.

**Kisi, K.P**., Shields, D.R., and Shrestha, P. (2011) “Factors Influencing High School Students to Pursue a Construction Baccalaureate’, *The 47th Associated School of Construction Annual International Conference*, Omaha, Nebraska, April 6-9, 2011

2. Invited Talks, Lectures, and Presentations:

3. Consultancies:

4. Workshops:

5. Other Works not in Print:

a. Works "submitted" or "under review":

b. Works "in progress":

Kisi, K.P. and Sulbaran, T "Construction cost and schedule impacts due to COVID-19” *J of legal Affairs and Dispute Resolution in Engineering and Construction.* (abstract accepted)

c. Other Works Not in Print:

C. Scholarly / Creative Grants and Contracts:

1. Funded External Grants and Contracts:

* U.S. Department of Labor (2021-2023). “Susan Hardwood Training Program – Workplace Safety and Health Training on Infectious Diseases, Including COVID-19”. Total award: $200,000.00, Project Director
* U.S. Department of Labor (2021-2022). “OSHA Susan Hardwood Targeted Topic Training Grant (Fall Prevention)”. Total award: $151,343.00, Project Director
* U.S. Department of Labor (2019-2020). “OSHA Susan Hardwood Targeted Topic Training Grant (Fall Prevention)”. Total award: $141,379.00, Project Director

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

3. Funded Internal Grants and Contracts:

* eSports Curriculum Development Grant (2019-2020). “Developing Game and Simulation-Based Learning Modules in Construction Management Curriculum.” Total award: $8500
* Diversity Curriculum Development Grant 2020. “Women in Construction: Safety and Understanding the Construction Industry,” Total Award $2900
* AAUP Winter Curriculum Development Grant (2019-2020). “Creating Course Content for ‘Virtual Design and Construction’” Total award: $600
* Faculty Development Grant (2018-2019). “Construction Institute Summit 2020 and Legal and Dispute Resolution Workshop”. Total award: $1935
* Faculty Development Grant (2018-2019). “Bluebeam Revu Instructor-Led Web Training”. Total award: $1395
* Faculty Development Grant (Spring 2018). “Travel to the 2018 ABET Symposium and Assessment Workshop”. Total award: $2540

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

* Research Enhancement Program FY2021. “Enhancing Virtual Reality Construction Safety Training Through Physiological Response and Interview: A Feasibility Study” proposed grant $15,800
* Faculty Research Grant (2019-2020). “3D Gaming Approach Using Simulation and Visualization in Construction Management Education”

Proposed grant: $4,950

D. Scholarly / Creative Fellowships, Awards, Honors:

* Board of Regents Faculty Research Award, Connecticut’s State Colleges and Universities, 2020
* Capstone Advisor of the Year Honor Roll, 2020
* Third Place Poster Award, “Estimating Optimal Labor productivity: A Two-Prong Strategy” *Construction Research Congress*, Atlanta, Georgia, 2014
* Outstanding Construction Management Thesis, University of Nevada, Las Vegas, 2010
* Jerry P. King Construction Management Scholarship, University of Nevada, Las Vegas, 2009 – 2010
* The Home Depot Trade Scholarship, 2009
* The College Fellowship Scholarship, Institute of Engineering, Tribhuvan University, Lalitpur, 2004 – 2007
* Dean’s list, Institute of Engineering, Tribhuvan University, Kathmandu, 2000

E. Scholarly / Creative Professional Development Activities Attended:

F. Media Recognition:

**IV. SERVICE**

A. Institutional

1. University:

* Search committee member, Department of Engineering Technology, 2021
* Primary, Graduate Studies Committee, 2019
* Instructor, TRiO ETS program for middle school students, summer 2019
* Member, Undergraduate Curriculum Committee, 2017-2018
* Faculty Advisor, Phi Beta Sigma Fraternity
* Faculty Member, Associated General Contractors (AGC) of MWSU Committee
* Faculty participant, Multi-State Collaborative project managed by Missouri’s Department of Higher Education (co-sponsored by State Higher Education Executive Officers Association (SHEEO) and Association of American Colleges and Universities (AAC&U))

2. College:

* Faculty Volunteer, Graduate Open House
* Faculty Volunteer, Undergraduate Open House
* Chair, Engineering Technology Scholarships Committee, 2017
* Member, Faculty Search Committee – ET Department, 2017

3. Department/School:

* Co-faculty Advisor, Delta II chapter of Sigma Lambda Chi
* Proctor, American Institute of Constructors Examination, every semester
* Chair, Construction Engineering Technology Curriculum Revision Committee, 2017-2018
* Academic advisor - 25-30 advisees every semester
* Faculty member -Construction Management student club
* CM Industrial Advisory Board meetings
* Member, Engineering Technology Advancement Committee of MWSU

B. Professional:

* Reviewer for Journal of Civil Engineering and Management
* Reviewer for Journal of Legal Affairs and Dispute Resolution in Engineering and Construction
* Reviewer for Journal of Construction Engineering and Management
* Reviewer for International Journal of Engineering Research and Technology
* Reviewer for the Associated School of Construction
* Reviewer for the Construction Research Congress
* Technical session chair, Canadian Society of Civil Engineer 2019
* Session Moderator, Construction Research Congress, 2018
* Advisor for the Engineering Students Group of Bhaktapur

C. Community:

* Volunteer judge, Project Lead the Way (PLTW) – Kansas City Engineering Design Competition for high school STEM students

D. Organization Memberships:

* Member, *American Society of Civil Engineers*
* Member, *American Concrete Institute*
* Member, *American Council for Construction Education*
* Member, *Design-Build Institute of America*
* Member, Nebraska Nepalese Society
* Member, Nepalese Association of Connecticut

E. Service Honors and Awards:

F. Service Grants and Contracts:

1. Funded External Service Grants and Contracts:

2. Submitted, but not Funded, External Service Grants and Contracts:

3. Funded Internal Service Grants and Contracts:

4. Submitted, but not Funded, Internal Service Grants and Contracts:

G. Service Professional Development Activities Attended: