**TEXAS STATE VITA**

**I. Academic/Professional Background**

|  |  |  |
| --- | --- | --- |
| A. | Name: Krushi Lokhande | Title: Assistant Professor of InstructionEmail: krl86@txstate.edu |

B. Educational Background

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| *Degree* | *Year* | *University* | *Major* | *Project* |
| PHD candidate | 2026 | Texas State University | Materials Science Engineering & Commercialization | “Developing a Low Carbon Footprint Self-Consolidating Concrete Mixture using Local Texas Materials” |
| MS | 2019 | Texas State University | Technology Management:Construction Management | “Impact of makerspace-based class-making projects on students’ engineering design self-efficacy” |
| BS | 2016 | Universal College of Engineering – University of Mumbai | Civil Engineering | “Effect of Alccofine on the strength of concrete” |

C. University Experience

|  |  |  |  |
| --- | --- | --- | --- |
| *Position* | *University* | *Dates* | *Duration* |
| Assistant Professor of Instruction | Texas State University | September 2024 - Present | 0.5 year |
| Lecturer | Texas State University | September 2019- August 2024 | 5 years |
| Graduate Instructional Assistant | Texas State University | September 2017 to May 2019 | 1.75 years |

D. Relevant Professional Experience

|  |  |  |
| --- | --- | --- |
| *Position* | *Entity* | *Dates* |
| Site Engineer | Pragati Developers (Residential & Commercial) | July 2016 to July 2017 |

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

1. 30-hour OSHA Hazard Recognition Training for the Construction Industry Course: OEC1030-7061211

**II. TEACHING**

A. Teaching Honors and Awards: None

B. Courses Taught:

|  |  |  |
| --- | --- | --- |
| *Course Number* | *Name* | *Semester* |
| CSM 1260 | Introduction to the Construction and Concrete Industry | Fall 2020 |
| CSM 2342 | Construction Materials and Processes & Lab | Fall 2019 - Present |
| TECH 2351 | Statics and Strength of the Material | Fall 2020, Fall 2021, Fall 2022 |
| CSM 3361 | Commercial Construction Building Systems | Fall 2019 - Present |
| CSM 3367 | Mechanical, Electrical, Plumbing Systems | Fall 2020, Spring 2023 - Present |
| CSM 2262 | Construction Lab | Spring 2025 |

|  |
| --- |
| Instructor Rating (5.0 Scale) |
| Course | Sem. | Students | Learning | Enthusiasm | Organization | Ind.Rapport | Exam | Assignments |
| CSM 2342 | F 2019 | 37 | 4.70 | 4.76 | 4.72 | 4.75 | 4.94 | 4.50 |
|  | F 2019 | 21 | 4.40 | 4.19 | 3.96 | 4.52 | 4.62 | 3.65 |
|  | Sp 2020 | 10 | 4.45 | 4.67 | 4.58 | 4.77 | 4.70 | 4.5 |
|  | Sp 2020 | 32 | 4.25 | 4.36 | 4.57 | 4.43 | 4.68 | 4.21 |
|  | Sm 2020 | 25 | 4.41 | 4.41 | 4.24 | 4.80 | 4.68 | 4.46 |
|  | F 2020 | 18 | 4.41 | 4.56 | 4.53 | 4.73 | 4.49 | 4.10 |
|  | F 2020 | 33 | 4.46 | 4.66 | 4.41 | 4.72 | 4.71 | 4.42 |
|  | Sp 2021 | 8 | 4.21 | 4.83 | 4.54 | 4.78 | 4.63 | 4.25 |
|  | Sp 2021 | 25 | 4.51 | 4.65 | 4.71 | 4.88 | 4.83 | 4.53 |
|  | Sp 2021 | 19 | 4.57 | 4.67 | 4.57 | 4.67 | 4.80 | 4.77 |
|  | Sm 2021 | 18 | 4.53 | 4.77 | 4.53 | 4.36 | 4.71 | 4.25 |
|  | F 2021 | 37 | 4.46 | 4.71 | 4.72 | 4.81 | 4.91 | 4.13 |
|  | F 2021 | 23 | 4.44 | 4.55 | 4.49 | 4.50 | 4.68 | 4.27 |
|  | Sp 2022 | 37 | 4.43 | 4.71 | 4.60 | 4.67 | 4.71 | 4.18 |
|  | Sp 2022 | 39 | 4.53 | 4.63 | 4.79 | 4.74 | 4.69 | 4.30 |
|  | Sm 2022 | 21 | 4.49 | 4.75 | 4.69 | 4.61 | 4.86 | 4.67 |
|  | F 2022 | 29 | 4.31 | 4.59 | 4.59 | 4.67 | 4.66 | 4.19 |
|  | F 2022 | 29 | 4.66 | 4.71 | 4.80 | 4.81 | 4.74 | 4.36 |
|  | Sp 2023 | 26 | 4.43 | 4.55 | 4.75 | 4.70 | 4.69 | 4.35 |
|  | Sp 2023 | 29 | 4.53 | 4.76 | 4.66 | 4.72 | 4.61 | 4.24 |
|  | Sm 2023 | 9 | 4.67 | 4.75 | 4.71 | 4.89 | 4.77 | 4.00 |
|  | F 2023 | 24 | 4.58 | 4.86 | 4.83 | 4.91 | 4.76 | 4.42 |
|  | F 2023 | 29 | 4.23 | 4.35 | 4.44 | 4.47 | 4.44 | 4.18 |
|  | Sp 2024 | 30 | 4.52 | 4.46 | 4.52 | 4.68 | 4.55 | 3.96 |
|  | Sp 2024 | 34 | 4.48 | 4.74 | 4.73 | 4.59 | 4.65 | 4.40 |
|  | Sm 2024 | 11 | 4.45 | 5.0 | 4.75 | 4.93 | 4.80 | 4.30 |
|  | F 2024 | 27 | 4.37 | 4.80 | 4.63 | 4.68 | 4.57 | 4.33 |
|  | F 2024 | 26 | 4.31 | 4.64 | 4.62 | 4.60 | 4.56 | 4.19 |
| CSM 3361 | F 2019 | 45 | 4.23 | 4.22 | 4.30 | 4.43 | 4.50 | 4.00 |
|  | F 2019 | 20 | 4.46 | 4.33 | 4.52 | 4.58 | 4.83 | 4.42 |
|  | Sp 2020 | 23 | 4.91 | 4.66 | 4.83 | 5.0 | 5.0 | 4.66 |
|  | Sp 2020 | 29 | 3.87 | 3.87 | 3.87 | 4.16 | 4.0 | 3.75 |
|  | Sm 2020 | 10 | 4.50 | 4.75 | 5.0 | 4.66 | 4.70 | 4.0 |
|  | Sp 2021 | 37 | 4.27 | 4.50 | 4.52 | 4.63 | 4.47 | 3.98 |
|  | Sm 2021 | 9 | 4.71 | 4.93 | 4.93 | 4.90 | 4.94 | 4.71 |
|  | Sp 2022 | 18 | 4.53 | 4.67 | 4.67 | 4.76 | 4.73 | 4.40 |
|  | Sm 2022 | 7 | 4.54 | 4.86 | 4.89 | 4.71 | 5.00 | 4.50 |
|  | Sp 2023 | 41 | 4.48 | 4.60 | 4.76 | 4.79 | 4.71 | 4.20 |
|  | Sm 2023 | 14 | 4.56 | 4.79 | 4.83 | 4.92 | 4.78 | 4.65 |
|  | Sp 2024 | 41 | 4.47 | 4.71 | 4.68 | 4.80 | 4.70 | 4.33 |
|  | Sm 2024 | 7 | 4.17 | 3.83 | 4.58 | 5.0 | 5.0 | 5.0 |
| TECH 2351 | F 2020 | 25 | 4.41 | 4.68 | 4.58 | 4.82 | 4.63 | 4.21 |
|  | F 2021 | 33 | 4.51 | 4.65 | 4.60 | 4.56 | 4.61 | 4.43 |
|  | F 2021 | 20 | 4.50 | 4.83 | 4.75 | 4.78 | 4.76 | 4.11 |
|  | F 2022 | 38 | 4.75 | 4.88 | 4.79 | 4.90 | 4.83 | 4.53 |
| CSM 1260 | F 2020 | 50 | 4.24 | 4.32 | 4.24 | 4.51 | 4.35 | 4.10 |
| CSM 3367 | F 2020 | 41 | 4.41 | 4.74 | 4.67 | 4.74 | 4.74 | 3.99 |
|  | Sp 2023 | 37 | 4.60 | 4.82 | 4.91 | 4.81 | 4.92 | 4.63 |
|  | Sm 2023 | 9 | 4.61 | 4.64 | 4.86 | 4.86 | 4.86 | 4.71 |
|  | F 2023 | 42 | 4.62 | 4.81 | 4.81 | 4.77 | 4.77 | 4.40 |
|  | Sp 2024 | 35 | 4.78 | 4.93 | 4.84 | 4.93 | 4.90 | 4.78 |
|  | Sm 2024 | 13 | 4.54 | 4.83 | 4.83 | 4.83 | 4.90 | 4.83 |
|  | F 2024 | 42 | 4.56 | 4.71 | 4.80 | 4.80 | 4.81 | 4.56 |
|  | F 2024 | 39 | 4.42 | 4.53 | 4.54 | 4.56 | 4.48 | 4.20 |

Sem.= Semester, F = Fall, Sp = Spring, Sm = Summer

C. Directed Student Learning (i.e. theses, dissertations, exit committees, etc.): None

D. Courses Prepared and Curriculum Development:

 1. CSM 2342: Construction Materials and Processes (Revised)

 2. CSM 3361: Commercial Buildings Construction Systems (Revised)

 3. TECH 2351: Statics and Strength of the Materials (Revised)

 4. CSM 3367: Mechanical Electrical & Plumbing Systems (Revised)

 5. CSM 2262: Construction Lab (Revised)

E. Teaching Grants and Contracts

1. Funded External Teaching Grants and Contracts: None

2. Submitted, but not Funded, External Teaching Grants and Contracts: None

3. Funded Internal Teaching Grants and Contracts: None

4. Submitted, but not Funded, Internal Teaching Grants and Contracts: None

F. Other:

 1. Prepared Proposal for new course CSM 3371 Commercial Business Practices. The proposal was submitted in September 2024.

 2. Cement Plant Visit “Ash Grove Cement- Hunter Cement Plant” located at 7781 FM1102, New Braunfels, TX 78132 on 23rd December 2024 to develop course content for students in Construction Science and Management program.

G. Teaching Professional Development Activities Attended:

|  |  |  |
| --- | --- | --- |
| *Name of the Event* | *Location* | *Date* |
| **1.TRACS for New Faculty Orientation** | Texas State University | 19 August 2019 |
| **2.ACCE Mid-Year Conference** | Jacksonville, Florida | 19-21 February 2020 |
| **3.STEM Teaching Workshop**  | Texas State University | 18-21 May 2020 |
| **4.ACCE Advance Team Member Training** | Online | 21 July 2020 |
| **5.Teaching Online@txstate Certification** | Texas State University | 24 July 2020 |
| **6.Camp Canvas: Canvas Essential** | Texas State University | 12 August 2020 |
| **7.ACCE Advance Team Member Training, Visiting Team Case Studies** | Online | 19-20 July 2021 |
| **8. “Assets, Power, and Strength: First-generation College Students & Ways to Support Them”** | Online- Texas State University | 8 November 2022 |
| **9. “Wait! Shouldn’t Students Know That Already? Why Students Don’t Know What You Think They Should Know and What You Can Do About It”** Workshop about applicable learning principles to help students develop their cognitive learning skills | Online-Texas State University | 25 January 2023 |
| **10. “These Boots Were Made for Walking: Creating Meaningful Connections and Intentions as Hispanic Serving Institution (HSI) Faculty”** | Online- Texas State University | 8 March 2023 |
| **11.** **How Humans Learn: Effective and Compassionate Teaching and Learning Seminar** on classroom strategies to effectively and compassionately help students improve their academic performance. | Online- Texas State University | 14 November 2023 |
| **12. “New to Teaching? We've Got Your Easy Button!”.** This workshop was tailored to offer practical, easy-to-implement strategies to engage your students and help them succeed in your course. | Online- Texas State University | 21 August 2024 |
| **13. The AI Advantage: Engaging Students through Artificial Intelligence Tools.** This workshop explored practical ways to use AI to enhance classroom interactions, engage students, and streamline daily tasks. Real use cases were discussed regarding innovative AI tools and techniques that can elevate teaching and enrich students' learning experiences | Online- Texas State University | 5 November 2024 |
| **14. The Power of Play: Using Student-Centered Pedagogy & Play to Enhance Student Engagement, Connection, and Learning.** This interactive session explored ways to discover practical teaching techniques designed to boost student engagement, deepen their connection with course content, and incorporate dynamic and playful activities across disciplines, class sizes, and formats. Participants learned about ready-to-use approaches that can transform student learning and energize their teaching. | Online – Texas State University | 7 November 2024 |
| **15. Validating First-Generation College Students: Proactive Affirmation of Students.** This interactive session by Dr. Stephanie Cuellar was designed to inspire and equip faculty and staff with innovative strategies to support the success of first-generation college students (FGCS). A brief overview of key findings surrounding FGCS challenges and outcomes was discussed. This session empowered faculty and staff to see themselves as validating agents at TXST, enabling them to play a crucial role in helping FGCS thrive. | Online – Texas State University | 7 November 2024 |
| **16. Looking Forward: The Future of AI in Higher Education:** This interactive workshop had open discussions and idea sharing to explore the evolving role of AI in academia. Key topics like innovative teaching practices, preparing students for AI-driven careers, and how to approach ever-evolving technology that affects the educational landscape were discussed. | Online – Texas State University | 14 November 2024 |
| **17. Finding and Using Images and Media: An Introduction to Creative Commons:** This interactive workshop by Tara Smith was about copyright and openly licensed creative content, and how to find and use openly licensed images, music, and video and other open access content. | Online- Texas State University | 24 January 2025 |

**III. SCHOLARLY/CREATIVE**

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

1. Books:

a. Scholarly Monographs: None

b. Textbooks: None

c. Edited Books: None

d. Chapters in Books: None

e. Creative Books: None

2. Articles:

a. Refereed Journal Articles: None

b. Non-refereed Articles: None

3. Conference Proceedings:

a. Refereed Conference Proceedings: None

b. Non-refereed: None

4. Abstracts: None

5. Reports:

 1. **Lokhande, K.**, Talley, K., Smith, S., and Torres, A. (2019) “Impact of makerspace-based class-making projects on students’ engineering design self-efficacy” Report submitted to the Department of Engineering Technology, Texas State University, TX.

 2. **Lokhande, K.**, and Aguayo, A. (2018) “Accelerated Carbonation of Concrete” Texas State University, TX.

 3. **Lokhande, K.**, Jangir, H., Sheikh, A., and Dubey, R. (2016) “Effect of Alccofine on the Strength of Concrete” Report submitted to the Universal College of Engineering, MH India.

6. Book Reviews: None

7. Essays: None

8. Poems: None

9. Short Stories: None

10. Other Works in Print: None

B. Works Not in Print:

1. Papers Presented at Professional Meetings: None

2. Invited Talks, Lectures, and Presentations: None

3. Consultancies: None

4. Workshops: None

5. Other Works not in Print:

a. Works "submitted" or "under review": None

b. Works "in progress": None

c. Other Works Not in Print: None

C. Scholarly / Creative Grants and Contracts:

1. Funded External Grants and Contracts: None

2. Submitted, but not Funded, External Grants and Contracts: None

3. Funded Internal Grants and Contracts: None

4. Submitted, but not Funded, Internal Grants and Contracts: None

D. Scholarly / Creative Fellowships, Awards, Honors:

1. Bootcamp-II Business Plan Competition Runner-Up Winner 2023 for Innovation Driven Business Plan in Materials Science, Engineering, and Commercialization Program at Texas State University in May 2023.

E. Scholarly / Creative Professional Development Activities Attended: None

F. Media Recognition: None

**IV. SERVICE**

A. Institutional

1. University:

Attending Annual Graduation Commencement Ceremonies 2019- Present

2. College: None

**3. Department/School:**

1. Support ACCE Accreditation 2020- Present

2. Support ABET Accreditation 2020- Present

3. Support Construction Advisory Board (CAB) Review 2020- Present

4. Member of CSM 3360/TECH 2351 Teaching Method Group 2023- Present

5. Committee Member for New Instructional Faculty Line Guideline & Policy for Department of Engineering Technology 2024-Present

6. Support Sigma Lambda Chi TXST Student Chapter 2024-Present

7. Support Engineering Technology Assistant Professor Search Committee 2024

8. Presented & Lead CSM- Commercial program to high school students at Hays CISD & TXST mini-Expo on 12/13/2024 at at HAYS CISD Performing Arts Center (PAC), 979 Kohlers Crossing, Kyle.

B. Professional: None

C. Community:

1. Fundraiser volunteer at “Southside Community Centre” in San Marcos for FALL 2018.

D. Organization Memberships:

1. Materials Science Engineering Commercialization (MSEC) Student Club 2024- Present
2. Materials Research Society (MRS) Student Chapter at TXST 2024- Present
3. Society of Plastics Engineers (SPE) TXST Chapter & South Texas 2024- Present
4. American Society of Civil Engineers (ASCE) TXST Chapter 2024-Present

E. Service Honors and Awards:

1. “Service Award” from the Department of Engineering Technology at Texas State University in Spring 2018

F. Service Grants and Contracts:

1. Funded External Service Grants and Contracts: None

2. Submitted, but not Funded, External Service Grants and Contracts: None

3. Funded Internal Service Grants and Contracts: None

4. Submitted, but not Funded, Internal Service Grants and Contracts: None

G. Service Professional Development Activities Attended:

|  |  |  |
| --- | --- | --- |
| *Name of the Event* | *Location* | *Date* |
| 1. “Stop The Bleed” workshop: respond in an emergency, tourniquet application, wound packing, & airway management, which can be used for laboratory safety. | Texas State University | 12/14/2022 |
| 2. Civilian Response for Active Shooter Events (CRASE) Training | Texas State University | 11/14/2023 |
| 3. TXST Cyber Security Training | Online- TXST | 02/23/2024 |
| 4. Preventing Harassment and Discrimination (EEO & Title IX) | Online- TXST | 02/13/2024 |
| 5. Tools for Ethical Workplace (Ethics and Compliance) | Online- TXST | 06/29/2024 |
| 6. Equal Employment Opportunity & Title IX | Online- TXST | 03/15/2020 |
| 7. Hazard Communication | Online- TXST | 03/15/2020 |

*Last Updated: Jan 2025*