

# SHIVANI RAMOUTAR

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## EDUCATION & CREDENTIALS

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**Ph.D.** Purdue University (West Lafayette), Learning Design and Technology, July 2024.

Dissertation: *From Theory to Practice: Student Centered and Culturally Responsive Instructional Design in Higher Education*

Co-Chairs: Dr. Jennifer C. Richardson and Dr. Brenda Capobianco

Certificate: Qualitative Research

**M.Sc.** The University of the West Indies (St. Augustine), Geoinformatics, December 2017.

Dissertation: *Engaging Students through GIS-Based Learning: A Multiple Case Study of Teaching with GIS in Primary and Secondary Schools in Trinidad and Tobago*

Chair: Dr. Bheshem Ramlal

**B.Sc.** The University of the West Indies (St. Augustine), Majors: Geography, Agribusiness, 2013.

Undergraduate Research Project: *An analysis on the use of culture in developing East Port of Spain*

## TEACHING AND RESEARCH INTERESTS

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Culturally Responsive and Relevant Pedagogies ▪ Instructional Design and Theories ▪ Designing Equitable and Learner-Centered Experiences ▪ Blended and Online ▪ Learning Teaching with Open Education Resources ▪ Geospatial and Technology-Integrated Instruction ▪

## TEACHING AND INSTRUCTIONAL DESIGN EXPERIENCE

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***Clinical Assistant Professor Teaching and Instructional Designer in the College of Education,***  
Department of Educational Technology and Foundations, College of Education, University of West Georgia (Fall 2024 - present).

***Courses: Online Masters courses in Department of Instructional Technology*** (MEDT 7464, MEDT 7461)

***Format:*** (Online: D2L/Brightspace)

- Provided technology consultancy service for College of Education faculty to improve and align their instructional material with state, federal, and technology standards.
- Designed and integrated technologies and modules (Articulate 360) within courses to improve course delivery and student engagement. Creation of modules to achieve GACE, ISTE and other program-level and institutional standards.

- Course lead in two asynchronous online foundational course streams; designed instruction and provided technology support via recorded activities, lectures, demonstrations, and individualized feedback for students.
- Assessed student portfolios for meeting GA Standards of Education required for obtaining teaching licensure (GA Best, GA ITS)
- Instructional Support Mentor for Part Time Faculty teaching GA Best Core Courses in ITMD programs.

**Teaching Assistant (Consultancy, Design, Evaluation, and Coaching),** Department of Curriculum and Instruction, College of Education, Purdue University (Fall 2023 – Summer 2024).

**Course:** Technology Integration for Blended and Online Teaching (Ti-BOT) (Supplemental Course for Licensure for undergraduate and master's Students).

**Format:** (Online: D2L/Brightspace)

- Provided technology consultancy service for College of Education faculty to align their instructional material with state, federal, and technology standards (required for licensure / accreditation).
- Assessed a wide range of essential teaching skills for face to face, blended and online learning across all teacher education undergraduate and graduate special education programs including UDL, formative and summative assessment, professionalism, communication, culturally responsive teaching in practice in undergraduate and graduate level programs.
- Facilitated face to face and blended workshops, information sessions and created instructional material for teaching key competencies and skills needed for technology integration in blended and online teaching for over 300 undergraduate students and 50 graduate level students in special education.
- Conducted research as part of team on Design-Based Research in a Non-Credit Competency Based Course (Ti-BOT) (student interviews, formative assessment of program).
- Mentored novice evaluators and facilitated teamwork during laboratory hours with specific emphasis on improving feedback to remedial student work.

**Instructor and Teaching Assistant,** Department of Curriculum and Instruction, College of Education, Purdue University (2021-2023)

**Course:** Introduction to Educational Technology and Computing (EDCI 27000; 3 credit Undergraduate Level Core Course for Licensure).

**Format:** (Online: D2L/Brightspace, Face to Face)

- Served as the lead instructor for the course during the 2023 Summer (May – August) semester and the lead teaching assistant for the course during the 2022 – 2023 in-person laboratory streams.
- Designed and integrated technologies and modules (Articulate 360) within course structure to improve problem solving for preservice teachers.
- Provided asynchronous instruction and technology support via recorded activities, lectures, demonstrations, and individualized feedback for students.
- Mentored a team of three graduate teaching assistants on laboratory course design, engaging students, providing specific, comprehensive feedback, teaching with technology.
- Facilitated weekly collaborative meetings on improving teaching practice among preservice teacher educators under the guidance of Dr. Timothy Newby.

**Co-Instructor**, Department of Curriculum and Instruction, College of Education, Purdue University (2022)

**Course:** Advanced Practices in Learning Systems Design (EDCI 67200; 3 credit Graduate Level Core Course for Masters/PhD Students)

**Format:** (Online: D2L/Brightspace)

- Designed and implemented personalized (learner-centered) interactive activities and feedback strategies to engage learners via videos, dynamic discussion boards, videos.
- Engaged students in discussion boards and forums to enhance problem solving, application of expertise and instructional design in a variety of case designs in academia, industry, government, and teaching.

**Instructor**, Gifted Education Research & Resource Institute, College of Education, Purdue University. (2020)

**Course:** Storytelling with Technology (Using StoryMaps to Explore the World and Communicate your ideas)

**Format:** (Online)

- Designed a new course for the Summer residential program targeted at improving the skills of gifted learners.
- Facilitated student-centered experiences with technology to challenge and inspire gifted learners and respond to their evolving and complex needs during the course enactment during the pandemic.
- Encouraged learner-centered application of technology by encouraging students to highlight their interests, voices, and unique stories to a supportive community of instructors, peers, and parents.

**Mentoring, Teaching & Research Assistant**, The University of the West Indies, St. Augustine. (2017 – 2019)

**Courses:** Introductory Courses in (1) Department of Geography and (2) Department of Geomatics Engineering, and Land Management

**Format:** (Face to Face)

- Demonstrator for undergraduate Human and Urban Geography courses.
- Research Assistant for Urban Geography and Physical Geography / GIS courses (under supervision of Professor Mathew Wilson)
- Guest lectures for undergraduate Geography courses (supervised by Dr. Jason Tambie)
- Assessment of introductory engineering level courses (ENGR 1001), Faculty of Engineering
- Assisted faculty in developing course material that aligned with university and accreditation standards for undergraduate and graduate programs

**Teaching Mentorship**, Primary School / K-12 (Trinidad and Tobago) (2002 – 2018).

**Course:** Tunapuna Hindu School, Durham Village Primary School

**Format:** (Face to Face)

- I mentored primary school students on creative writing, reading and mathematics.

- I also taught primary school students Sanskrit and Spanish as part of intercultural learning after their SEA examinations.

## PUBLICATIONS

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**Ramoutar, S.,** Richardson, J., Ramlal, B., Tambie, J. (Dec 2023). Using Technology to Foster Inclusion and Diversity in Higher Education: A Case study of Geospatial Tools in Engineering Education. In Hokanson, B, Exter, M., Schmidt, M., & Tawfik, A. (editors). *Toward Inclusive Learning Design: Social Justice, Equity, and Community*. New York: Springer-Verlag.

Ashby, I., Duan, S., Cuesta, C., McCord, B., **Ramoutar, S.**, Wynkoop, R., Yang, M., Huang, W., & Exter, M. (Dec 2023). *Emotional pathway of becoming a professional: Stories of graduate students & recommendations for academia*. In B. Hokanson, M. Exter, M. Schmidt, & A. Tawfik (Eds). *Formative Design in Learning: Design thinking, growth mindset, and community*. Springer-Verlag.

Ramoutar, S. Open Education Resources: Supporting Diversity and Sharing in Education. *TechTrends* **65**, 410–412 (2021). <https://doi.org/10.1007/s11528-021-00615-7> (Impact Factor=2.5, H-Index=48, Citations=10)

Vilarinho-Pereira, D. R., **Ramoutar, S.**, & Justus, E. J. (2020). Working with the Community: Reflections from an Instructional Design Service-Learning Project. *Purdue Journal of Service-Learning and International Engagement*, 7(1), 6.

## Under Review / In Preparation

**Ramoutar, S,** Ramlal, B and Richardson, J. Teaching Practices, Lived Experiences, and Decision Making using Geospatial Technology among Higher Education Instructors. (Under Review).

**Ramoutar, S** & Ramlal, B. *Using Geospatial Tools to Meet Needs of Diverse Learners in a Small Island Developing State*. Under Review.

**Ramoutar, S.** Intersecting Culturally Relevant Pedagogy with Instructional Design: Towards A Practical Guide for Implementation of Learner Centered Instruction in the Classroom (Under Review).

**Ramoutar, S.** Enacting Culturally Responsive Pedagogy in Higher Education: A Systematic Literature Review on Instructional Strategies in Face-to-Face, Blended, and Online Environments. (In progress).

**Ramoutar, S,** Tambie, J and Ramlal, B. Enacting Equity in Education: The Use of Equitable Practices and Open Education Resources in Geospatial Education: A Case Study in the Caribbean. (In progress).

## PEER-REVIEWED CONFERENCE PRESENTATIONS

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**Ramoutar, S.,** Richardson, J., Ramlal, B. (2024, October). Navigating Pedagogical Landscapes in Higher Education. A paper presented at the Association for Educational Communications and Technology Annual Meeting, Kansas City, Missouri, USA.

Ramoutar, S. (2024, February). Intersecting Culturally Relevant Pedagogy with Instructional Design: Towards a Practical Guide for Implementation in the Classroom. A paper presented at the American Association of Colleges for Teacher Education (AACTE) 76th Annual Meeting, Denver, Colorado, USA.

Ramoutar, S. (2023, February). Technology Integration, Learner Experience and Cultural Context: A dual case study of US Midwestern Universities and Caribbean universities in Geospatial Education. A paper presented at the American Association of Colleges for Teacher Education (AACTE) 75th Annual Meeting. Indianapolis, Indiana, USA.

**Ramoutar, S** & Tambie, J. (2022, February). A Meta Analysis on the influence of geospatial technology tools on student academic achievement. A paper presented at the American Association of Colleges for Teacher Education (AACTE) 74th Annual Meeting: Holmes Preconference Program, New Orleans, Louisiana, USA.

Castellanos-Reyes, D., **Ramoutar, S.,** & Richardson, J. C. (2022, April). Researching Online Learning Interaction using Social Learning Analytics: A Conceptual Framework. A Roundtable Presentation presented at the American Educational Research Association Annual Meeting, San Diego, California, USA.

**Ramoutar, S.,** Richardson, J., Ramlal, B., Tambie, J. (2021, July). Using Technology to Foster Inclusion and Diversity in Higher Education: A Case study of Geospatial Tools in Engineering Education. A paper presented at the AECT Summer Research Symposium, 2021 “Toward Inclusive Learning Design: Social Justice, Equity, and Community.” Virtual Conference Format.

**Ramoutar, S.,** Richardson, J., Ramlal, B. (2021, November). Investigating pedagogy and technology integration in higher education: a multiple case study of geospatial educators. A paper presented at the Association for Educational Communications and Technology Annual Meeting, Chicago, Illinois, USA.

Castellanos-Reyes, D., **Ramoutar, S.,** & Richardson, J. C. (2021, November). Using social learning analytics: A conceptual framework to research Learner Interaction in Online Learning. A Roundtable Presentation presented at the Association for Educational Communications and Technology Annual Meeting, Chicago, Illinois, USA.

**Ramoutar, S.** & Richardson, J. (2020, November). Using Geospatial Tools to Facilitate Discovery and Learning. A poster presented at the AECT Virtual Convention: Culturally Situated Learning Design and Research.

**Ramoutar, S., Ramlal, B. & Tambie, J. (2019).** Improving Student Engagement and Learning with Geospatial Tools and Techniques. [Conference Presentation]. Education Beyond Borders. The UWI School of Education Biennial Conference, 2019: Breaking Barriers: Building Bridges: The University of the West Indies, St. Augustine.

**Ramoutar, S. & Ramlal, B. (2018, July).** Learning with GIS: Engaging Students and Improving Spatial Cognition. A paper presented at the ESRI Education User Conference, San Diego, California, USA.

## **AWARDS AND HONORS**

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### **Scholarship**

***Fulbright / Laspau Faculty Development Scholarship*** (2019 – 2021), sponsored by the US Department of State to pursue doctoral studies at Purdue University.

***Teaching Fellowship***, Purdue University (2022 – 2024) – sponsored by The Graduate School / College of Education.

***Postgraduate Scholarship for Recipients of First-Class Honors***, The Government of the Republic of Trinidad and Tobago, (2014 - 2017).

***The Geographic Information Systems Society of Trinidad and Tobago Prize for The Student Obtaining the Best Project in the M.Sc. Geoinformatics.*** Award TTD 1000.  
**Head of Department Prize for Best Performance in Level III Geography & Best Year III Geography Project.** Award TTD 1500.

### **Professional Development**

***Graduate Student Hackney Travel Award***, College of Education, Purdue University (2023; USD750) – travel and conference presentation expenses covered. I presented 10 international conference papers from 2019 – 2024.

***Holmes Scholar***, College of Education, Purdue University, (2020 – 2024; USD2000 per annum) – travel and conference presentation expenses covered. I presented 10 international conference papers from 2019 – 2024. I mentored junior scholars, interviewed, and evaluated incoming scholars.

***Indianaview Scholarship*** (2020; USD 1500) – instructional design budget awarded. I created a Geography and GIS course for the Gifted Education Research Institute (GERI) at Purdue for K-12 students. I then implemented this course during the 2020 summer and received positive feedback from students, parents, and senior instructors at the GERI.

### **Service and Community**

***Outstanding Program Award***, Department of Curriculum and Instruction, Purdue University.

Awarded of the Purdue Association for Learning Design and Technology (PALDT) during my year of service as VP of Marketing and Professional Development. The award was given to PALDT for organizing the most outstanding campus events in 2020 – 2021.

***Purdue Graduate Student Organization Grant (GSOGA)***

USD 6000 was awarded to PALDT to facilitate professional development for preservice teachers and students in College of Education including online teaching modules and guest lectures.

## **INSTRUCTIONAL DESIGN EXPERIENCE**

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**College of Education, Purdue University (2019 – 2024)**

- ***Technology Integration for Blended and Online Teaching (Ti-BOT)*** (lead by Drs. Jennifer Richardson and Dr. Adrie Koehler) I am responsible for designing workshop training materials, faculty consultation, and course workshop delivery for teacher education candidates. Our current cohort comprises over 300 undergraduate and 32 graduate students.
- ***The Purdue Repository for online Teaching and Learning (PoRTAL)***. I am a team member in the design and development process of creating teaching resources for implementing culturally responsive pedagogies in online learning. This is an award-winning project that had tremendous impact on the teaching and learning community at Purdue and beyond.
- ***Online Blended and Teaching Hub*** [[onlineteachinghub.education.purdue.edu](https://onlineteachinghub.education.purdue.edu)] (Principal Investigator, Dr. Timothy Newby) This is a department level project funded by the Indiana Governor's Emergency Relief Fund USD 1.5 M). The purpose is to provide resources for teachers to adapt to blended and online learning pre and post pandemic. I was responsible for designing several modules in the resource hub for in-service teachers. Specific examples of my contributions in designing modules, videos, infographics, other training material can be found at website [[shivaniramoutar.com](https://shivaniramoutar.com)] [Instructional Design – Shivani Ramoutar \(wordpress.com\)](https://www.instructionaldesign-shivani.com)

## **CORPORATE EXPERIENCE**

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***Royal Bank of Canada (RBC) 2015 – 2016. Service Agent (Forex)***

I worked in the foreign exchange department and was responsible for processing of deals (buying and selling of foreign currency), compiling local and regional reports on foreign currency expenditure for several small islands (Curacao, Aruba, Bonaire, Grenada. Central Bank of Trinidad and Tobago). Proficiency with technology (RIBS, SWIFT), attention to accuracy, teamwork, and time management were critical skills in this position.

***Arthur Lok Jack Graduate School of Business 2013 – 2014 (Library and Research Services)***

I worked as a research and library assistant. I was responsible for cataloging, search, storage, retrieval of research material to support faculty and students, development of database repositories for search and retrieval of student cases, design of instructional material, outreach and in-person class support.

**TOOLS AND TECHNOLOGY COMPETENCIES.**

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**Instructional Design**

QM Peer Reviewer in Higher Education

[Google Educator Certification](#)

Presentation Tools: PowerPoint, Canva, Prezi, PowToon, VideoScribe, Kahoot! Pear

Deck

Video Editing: Camtasia, Lightworks, OpenShot

Web Design: WordPress, Wix, Google Sites, Weebly

eLearning: (Articulate 360, Google for Education, D2L/Brightspace, Moodle)

Survey Design: Qualtrics, Google Forms, SurveyMonkey

**Qualitative Design**

NVivo

Qualtrics

**Quantitative Design**

SPSS

Excel

Minitab

JASP

**Geographical Information Systems**

ArcGIS Pro

ESRI Online & Desktop

QGIS

**LANGUAGES**

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French (working proficiency) ▪ Spanish (working proficiency) ▪ ASL (American Sign Language) (beginner)

**SERVICE TO PROFESSION**

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**Journal and Conference Reviewer**

Journal Reviewer for *Educational Technology & Society* (2023 – present)

Conference Proceedings Reviewer for Association for Educational Communication and Technology (AECT) (2020 – 2024).

Manuscript Review for AECT Summer Symposium Manuscripts (2020 - 2021).

**Leadership and Engagement**



Emerging Student Leaders, UPCEA (University Professional and Continuing Education Association) | The Online and Professional Education Association (2023 – present)

As part of the inaugural cohort, we participate in professional development, publication via online community discussion and exchange.

Holmes Scholars (2020 – 2024)

This is a long-term commitment to scholarly excellence, equity, and social justice. I mentor junior AACTE members and participate in the selection process and evaluation of incoming scholars.

Purdue Global Ambassador (2021 - present)

I engage in intercultural exchange, prepare dishes, share music, prose and other Trinbagonian cultural forms with peers, faculty, and members of the community.

Vice President of Purdue Fulbright Association (2021 - 2023)

I promoted intercultural exchange among international scholars through organizing and participating in twelve events.

Diversity, Equity, and Inclusion Officer for the Purdue Association of Learning Design and Technology (PALDT) (2021 – 2022)

I planned, promoted, and executed professional learning and development opportunities on intercultural training and for graduate students in the College of Education.

Vice President of Design and Marketing for the Purdue Association of Learning Design and Technology (PALDT) (2020 – 2021)

I designed media, assisted in grant writing, and promoted all events for graduate students in the College of Education.

Media Officer – Purdue Graduate Student Education Council (GSEC) (2020 – 2021)

I designed media and created social media channels to promote events for graduate students in the College of Education.

### **Community-Based Service**

Instructional Designer, Community Based Service-Learning Project for United Way of Lafayette (2019 - 2020)

Designed learning modules for service volunteers in the Greater Lafayette community.

Tutor, Trinidad and Tobago Primary Schools; Tunapuna Hindu School and Durham Village Hindu School (2009 – 2017)

Taught remedial reading, creative writing to students who required additional attention / remedial work.

Photographer, Social Media Marketer and Web Content Creation for the Sri Dattatreya Yoga Centre, Carapichaima, Trinidad and Tobago (2015 – 2019)

Created mailing list, organization website, promotional materials, created graphics and did photography coverage of major events.

## **MEMBERSHIPS.**

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Association for Educational Communications and Technology (AECT) (2019 – present).

Fulbright Alumni Trinidad and Tobago (2024 – present)

Purdue Fulbright Association (2019 – 2024).

UPCEA | The Online and Professional Education Association (2023 – 2024).

Indiana Geographic Information Council (IGIC) (2021 - 2023).

American Educational Research Association (AERA) (2020 – 2023).

The American Association of Colleges for Teacher Education (AACTE) (2020 – 2023).