

Pragati Bannerjee, Ed.D.

Corpus Christi, Texas | pragati.banerjee@tamusa.edu

ACADEMIC & PROFESSIONAL PROFILE

Mathematics educator, scholar-practitioner, and instructional leader with more than 20 years of experience across K-12 and higher education. Experience includes college mathematics teaching, mathematics department leadership, instructional coaching, school improvement, curriculum and assessment development, professional learning, and educational research. Scholarly work and presentations span mathematics education, rates of change and functions, problem solving, educational technology, and the digital divide.

EDUCATION

Ed.D., Educational Leadership — Texas A&M University-Corpus Christi | 2023

M.S., Mathematics — Texas A&M University-Corpus Christi | 2016

Master of Business Administration — Indira Gandhi National Open University, New Delhi, India | 2005

B.Ed., English & Mathematics — Annamalai University, Chennai, India | 1996

B.Sc., Physics, Chemistry & Mathematics — Meerut University, Meerut, India | 1990

ACADEMIC APPOINTMENTS

Texas A&M University-San Antonio | San Antonio, Texas

Adjunct Faculty - Mathematics | 2026-Present

- Teach online undergraduate mathematics coursework.

Texas A&M University-Corpus Christi | Corpus Christi, Texas

Adjunct Faculty - Department of Mathematics | 2016-2020

- Taught Precalculus, College Algebra, SMTE 1350, and SMTE 1351.
- Developed course learning outcomes, syllabi, schedules, lectures, labs, presentations, and other instructional materials.
- Supported student mastery through office hours, feedback, and graded assignments.

Del Mar College | Corpus Christi, Texas

Adjunct Faculty - Department of Mathematics & Physics | 2008-2017

- Taught Elementary Algebra, Extended and Intermediate Algebra, College Algebra, and Elementary Statistical Methods.
- Developed course materials, supported students through office hours, and maintained student records.

EDUCATIONAL LEADERSHIP & K-12 TEACHING EXPERIENCE

IDEA Eastside College Prep | San Antonio, Texas

Assistant Principal of Instruction | 2025-2026

- Led implementation of the GET Rubric and Get Better Faster coaching framework.
- Coached a caseload of 15+ teachers through lesson feedback, real-time coaching, and action-step-driven observation cycles.
- Facilitated data-driven instruction meetings and PLCs; oversaw lesson planning and internalization aligned to standards and pacing.
- Supported EB compliance through Ellevation and PowerSchool monitoring, LPAC meetings, documentation, and accommodations.
- Designed professional development and supported TIA calibration, instructional rounds, and campus operations.

W.B. Ray High School | Corpus Christi, Texas

Instructional Coach | 2023-2025

- Developed teacher coaching plans and supported research-based instructional strategies and classroom management.
- Facilitated content PLCs to unpack TEKS, plan collaboratively, create exemplars, analyze student work, and review data.

- Modeled differentiated instruction and supported alignment among standards, curriculum, instruction, and assessment.
- Collaborated with instructional coaches, curriculum specialists, and district specialists to advance campus improvement goals.

Roy Miller High School | Corpus Christi, Texas

Mathematics Teacher and Department Chair | 2008-2023

- Taught AP Statistics, AP Calculus, Precalculus, College Algebra (dual credit), Elementary Statistical Methods (dual credit), and OnRamps Statistics using RStudio.
- Led curriculum planning and professional learning for a mathematics department of 12 teachers.
- Contributed to district scope and sequence, instructional plans, curriculum, and assessment documents; served as district Precalculus curriculum writer.
- Chaired Campus Advisory Team meetings; sponsored Mu Alpha Theta Mathematics Honor Society and facilitated Frost Financial Youth Academy.

Wynn Seale Middle School | Corpus Christi, Texas

Mathematics Teacher and Department Chair | 2003-2008

- Taught Math 7, Math 8, Pre-Algebra, and Algebra I.
- Led department meetings and professional development and contributed to curriculum and assessment development.
- Sponsored MATHCOUNTS and participated in Campus Advisory Team meetings.

IT Education | Meerut, India

Business Manager | 1990-2002

- Planned and controlled business activities, achieved annual business targets, recruited and trained personnel, and liaised with technical functional heads.

PEER-REVIEWED PUBLICATIONS

Bannerjee, P., Dogbey, J., & Bruun, F. (2025). Rate of change involving two covarying quantities: Grades 9-12 students' understanding and difficulties. *Asian Journal for Mathematics Education*.

CONFERENCE PROCEEDINGS

Bannerjee, P. (2017). Students' understanding of the concepts of rates of change and functions (pp. 105-112). *Proceedings of the 44th Annual Conference of the Research Council on Mathematics Learning*, Fort Worth, Texas.

CONFERENCE PRESENTATIONS

- Ives, S., & Bannerjee, P. (2013, February). Serving through Precalculus: Teacher Reflections and Students' Preconceptions. 40th Annual Conference of the Research Council on Mathematics Learning, Tulsa, Oklahoma.
- Bannerjee, P., & Ives, S. (2013, March). Provide Students with Engaging Mathematics: Teach via Problem Solving. Texas Association for the Gifted and Talented regional conference, Corpus Christi, Texas.
- Bannerjee, P., & Ives, S. (2013, June). Provide Students with Engaging Mathematics: Teach via Problem Solving. ME by the Sea, Texas A&M University-Corpus Christi.
- Bannerjee, P., & Caillier, C. (2014, June). Designing SMART! Math Lessons. ME by the Sea, Texas A&M University-Corpus Christi.
- Bannerjee, P. (2014, June). Trigonometry Never Scared Me: Make Your Students Fearless. ME by the Sea, Texas A&M University-Corpus Christi.
- Bannerjee, P. (2015, June). Financial Youth Academy in Mathematics Classrooms. ME by the Sea, Texas A&M University-Corpus Christi.
- Bannerjee, P. (2017, March). Students' Understanding of the Concepts of Rates of Change and Functions. 44th Annual Conference of the Research Council on Mathematics Learning, Fort Worth, Texas.
- Bannerjee, P. (2017, April). Examining the Development of Concept of Rates of Change and Functions. Sixth Annual Statistics Day, Texas A&M University-Kingsville.

- Bannerjee, P. (2018, February). Emergent Themes in Students' Strategies as They Build Their Understanding of Rates of Change and Functions. Louisiana State University-Baton Rouge.
- Bannerjee, P. (2023, May). The State of the Digital Divide in Texas' Coastal Bend Schools. ASCD, Texas A&M University-Corpus Christi.
- Bannerjee, P., & Benedetti, C. (2023, July). Digital Divide in ICT Literacy Among Teachers in South Texas School Districts. International Council of Professors of Educational Leadership, Orlando, Florida.

HONORS & AWARDS

- Mu Alpha Theta Mathematics Honor Society - Regional Sponsor Award, Region 2, 2015
- Miller High School Teacher of the Year, 2017
- Corpus Christi ISD Secondary Teacher of the Year, 2017
- Texas Regional Teacher of the Year, ESC Region 2, 2018
- Keynote Speaker, Teacher Induction Ceremony, College of Education, Texas A&M University-Corpus Christi, 2017
- H-E-B Excellence in Education Award - Statewide Semifinalist, 2018
- SA Strong Award - 'Raising the Bar' on Lesson Plan Feedback, 2025
- SA Strong Award - 'Highest TELPAS Growth in SA Region,' 2025

PROFESSIONAL MEMBERSHIPS AND AFFILIATIONS

- Coastal Council of Teachers of Mathematics, member, 2011
- Texas Council of Teachers of Mathematics, member, 2011; grant recipient and nominee for TCTM Board elections
- American Statistical Association, member, 2013

CERTIFICATIONS

- Texas Educator Certificate - Mathematics (Grades 8-12)
- Texas Principal Certificate