CURRICULUM VITAE

FULL NAME: Nina Kamath Telang   **TITLE:** Senior Lecturer

DEPARTMENT: Electrical and Computer Engineering

EDUCATION:

Indian Institute of Technology	Engineering Physics	B.Tech.	Summer 1989
University of Notre Dame	Electrical Engineering	M.S.	Fall 1991
University of Notre Dame	Electrical Engineering	Ph.D.	Summer 1995

TEACHING EXPERIENCE:

University of Texas at Austin	Lecturer	Summer 2002 – Fall 2016
University of Texas at Austin	Senior Lecturer	Fall 2016 - present

TEACHING HONORS AND AWARDS:

- 2010 Best Lecturer Award, HKN and IEEE, Department of ECE

- 2014 - 2015 Lepley IV Endowed Memorial Teaching Award: This is the highest honor for teaching awarded by the Department of Electrical and Computer Engineering. The awardees are selected based on nominations by students.

- 2014 - 2015 Dad's Association Centennial Teaching Fellowship Award: This fellowship is a very prestigious award given annually to faculty at UT Austin who are committed to the teaching of freshman undergraduates.

- 2017 Best Faculty award in Biomedical Engineering Department awarded by the Student Engineering Council.

- 2018 First Year Student's Choice Award, awarded by the ECE Undergraduate Advisory Board.

- 2015-2018 Nominated for the Regents' Outstanding Teaching Award.

UNIVERSITY COMMITTEE ASSIGNMENTS:

ECE	Member, ECE Curriculum Committee	F 14 –present
ECE	Member, ECE Curriculum Reform Committee	F 16 - present
College of Engineering	Member, Blue Ribbon Committee	F 16 – Sp 17
University level	Member, Non-tenure track task force	Su 17 - present
University level	Member, Sanger Learning Center Faculty Advisory Committee	Sp 18 - present

COMMUNITY ACTIVITIES:

- Faculty representative in *Admitted Female Students Day*, 2015-2017

- Faculty representative in the *VIP Admitted Students Day*, 2013-2018

- Panelist in *Women in Engineering* panel for the *Cockrell Cares* event, 2018

- Faculty representative in the workshop *Enhancing Student Success through a Model Introduction to Engineering Course*, 2015

- Panelist in *SWE Professors Panel for High School Students*, 2014

- Faculty representative in the *Faculty Appreciation Week Trivia Throwdown*, 2014

- Faculty volunteer in the Women in Engineering program activities such as the *WE@UT High School Recruitment Program "Lunch with an Engineer,"* 2012-2014

- Participant in *Women in ECE Dinner with Faculty* event, 2012-2016**.** This is an annual event held to encourage dialogue between female ECE students and female ECE faculty.

- Faculty volunteer in the Equal Opportunity in Engineering (EOE) program activities such as "*Longhorn Engineering: The Power to Shape Your World,*" 2013

- Panelist for the *ENGAGE* webinar on faculty-student interaction, 2013

COURSE DEVELOPMENT

- Developed a GE course (GE 219) in Fall 2014 as a supplement to EE302 (Introduction to Electrical Engineering). This course was designed to enhance the problem-solving skills of students who have been identified as being at-risk by the university. Emphasis is on conceptual understanding and application of concepts to problems through active learning in the classroom and hands-on exercises where students learn through building and programming circuits using the Raspberry Pi computer.

- Developed and implemented a new course, EE307E, Elements in Electrical and Computer Engineering, a required course for the *Ramshorn Scholars* admitted to the ECE department, in Fall 2017. This course was designed to expose these students to the fundamentals of the curriculum, and improve the readiness of these students to the rigors of the ECE curriculum.

- Developed the *Enhance success in Engineering Study* course for the Summer Bridge students in Summer 2015. This course focusses on aspects of student development such as goal-setting, developing a commitment to engineering study, and understanding of dominant teaching and learning styles in engineering classrooms.

- Coordination and development of the Supplemental Instruction (SI) sessions for EE302 in conjunction with the Sanger Learning Center. This was introduced in Fall 2015, and has been implemented every semester.

- Developed and implemented in Spring 2018 an *Enhancing Academic Success* bites course specifically for our academic probation students. This course includes concepts such as growth mindset, motivation theory, goal setting, retrieval practices, and academic emotions.

- Usage of interactive technology based instruction tools such as Squarecap.com and Socrative.com to encourage student interaction during classroom time, and enable immediacy in instruction. Implemented these instruction methods in EE302, EE411, and EE316.

TEACHER TRAINING WORKSHOPS/CONFERENCES

- Chautaqua Short course on "Enhancing student success through a model Introduction to Engineering", Jan. 2015.

- First Year Engineering Experience, Virginia Tech, August 2015.

ENGINEERING EDUCATION RESEARCH

- Investigation of the effect of supplemental instruction (SI) on student performance and retention in the freshman course EE302. This research was conducted in partnership with the Sanger Learning Center.

- Study the effect of early intervention through an academic success program including a general engineering (GE) course associated with EE302, on at-risk student performance and retention rates.

Refereed Conference Proceedings (accepted for publication):

1. Jenell Wilmot, K. Peralez, and N. Telang, "Supplemental Instruction Pilot Program for an Introductory Electrical Engineering course", to appear in First Year Engineering Experience (FYEE) Conference, Columbus, Ohio, July 31-August 2, 2016.
2. N. Telang, Hayes Converse, and Nikki Stinnette, "General Engineering Course for Freshman students at risk in Electrical Engineering", to appear in First Year Engineering Experience (FYEE) Conference, Columbus, Ohio, July 31-August 2, 2016.
3. J. Wilmot and N. Telang, "Assessment of Supplemental Instruction Programming on First Year Academic Success", American Society of Engineering Education (ASEE) Conference, Columbus, Ohio, June 25-28, 2017.
4. J. Wilmot and N. Telang, "Assessment of Supplemental Instruction Programming and Continued Academic Success", American Society of Engineering Education (ASEE) Conference, Columbus, Ohio, June 25-28, 2017.
5. N. Abraham and N. Telang, "Understanding Behaviors of Attendance in Supplemental Instruction and Subsequent Academic Success in a First Year Engineering course", American Society of Engineering Education (ASEE) Gulf-Southwest Section Annual Conference, The University of Texas at Austin, to be presented on April 4-6, 2018.
6. M. Gardner and N. Telang, "A Second Language Acquisition Toolkit for Teaching Introduction to Computing", American Society of Engineering Education (ASEE) Gulf-Southwest Section Annual Conference, The University of Texas at Austin, to be presented on April 4-6, 2018.

VITA:

Dr. Nina Telang has been teaching a variety of courses in the ECE department since 2002, and in the BME department since 2015. She has taught 6 courses at the freshman, sophomore and junior undergraduate levels that include 4 required (core) courses, and 2 elective (tech-area) courses. Her repertoire of courses is from a range of areas such as circuit and logic design, solid state devices, computing systems, and embedded systems.

Her teaching style fosters an active learning classroom environment where student involvement is highly encouraged. Instructional tools based in technology are heavily used in the classroom to aid the learning process for all students, to strengthen student-faculty interaction, and to improve student engagement. She is passionately involved in supporting the success of at-risk students through the development of the general engineering course and supplemental instruction sessions for introductory ECE courses.

Dr. Telang was recently a recipient of the 2014-15 Dad's Association Centennial Teaching Fellowship. This fellowship is awarded to faculty who are committed to teaching undergraduate freshman students. She is also a recipient of the 2014-2015 Lepley IV Endowed Memorial

Teaching Award which is the highest honor for teaching awarded by the Department of Electrical and Computer Engineering.