

# Statement of Service

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July 29, 2017

## 1 Highlights of Aniruddha Gokhale’s Service [2002–present]

The tables below illustrate my professional service at Vanderbilt University since January 2002. Post tenure service (starting Fall 2010) is appropriately marked.

Table 1: Highlights of Aniruddha Gokhale’s Service Internal to the University

Category	Artifact	Details
Advising	Graduated PhDs [Total: 17]	12 as Primary Adviser/Chair [10 post-tenure] 5 as Co-adviser/Co-chair [1 post-tenure]
	Graduated MS [Total: 23]	18 as Primary Adviser/Chair [11 post-tenure] 5 as Co-adviser/Second Reader [2 post-tenure]
	Current PhDs [Total: 7]	7 as Primary Adviser None as Co-adviser
	Current MS [None]	Currently none
	Undergraduate advising	30+ Computer Science students since Spring 2016 22 Computer Science students (Fall 2013–Spring 2015) 9 Computer Engineering students (Fall 2009–Spring 2013) 10 Computer Engineering students (Fall 2003–Spring 2007).
Mentoring	Undergraduate Research and Independent Study	14 students [11 post-tenure]
	Undergraduate Summer Research	12 [6 post-tenure]
	7 summer high school students and 2 high school teachers for STEM program	Summer of 2013 [post-tenure]
	High School Student Research	1 student supported by Vanderbilt RIP Summer Outreach; Summer of 2008
Department-related	PhD Dissertation Committee Chair	12 [10 post-tenure]
	PhD Dissertation Committee Co-Chair	5 [1 post-tenure]
	PhD Dissertation Committee Member	20 [17 post-tenure]
	PhD Dissertation External Committee Member	6 [1 post-tenure]
	MS Thesis Committee Chair	10 [5 post-tenure]
	MS Thesis Second Reader	7 [2 post-tenure]
University-related	ABET	CS281, CS283, CS4287 data collection
	Technology Review Committee	Spring 2016 onwards
	Appellate Review Board	Fall 2011 onwards
	Faculty Senate & Senate SPAF Committee Chair	Sept 2011–Aug 2014 Sept 2013–Aug 2014

## 2 Philosophy

I strongly believe that apart from teaching and research, a faculty member must excel in professional service. This I feel improves the self-esteem of the faculty member and the prestige of the school he/she represents.

Table 2: **Highlights of Aniruddha Gokhale’s Professional Service**

Category	Artifact	Details
Professional	Journal Editorial	5 Guest Editorships [all post-tenure]
	Conference Organization	1 Steering committee 2 General (Co)Chair [1 post-tenure] 5 Program (Co)Chair [All post-tenure] 13 Workshop Organization (Co)Chair [8 post-tenure] 3 Workshop/Tutorial Chair [2 post-tenure] 8 Session chair [3 post-tenure] 1 PhD Forum Chair [1 post-tenure] 5 PhD Forum Mentorship [4 post-tenure] 3 Publicity/publications (Co)Chair 2 Local Arrangements (Co)Chair
	Journal Reviewer	110 [62 post-tenure]
	Program Committees of conferences, symposia and workshops	157 [80 post-tenure]
	Grant Proposal Reviewing	11 NSF Panels [5 post-tenure] 2 DoD agency reviewer [All post-tenure] 7 International Agencies[4 post-tenure] 2 State Agencies [1 post-tenure]
	Liaison	Object Management Group
	Membership	Senior member of IEEE and ACM Member of ASEE
	Outreach	Promoting Vanderbilt University to prospective minority graduate students at SREB Annual Compact, 2006.
Presentations	Tutorials	6 on Model-driven Engineering
	Invited Talks	4 Panel/Keynote [3 post-tenure] 17 University and Industry colloquia [4 post-tenure]
	Research presentations [Total: 69]	Conferences, demos, posters, PI meetings [27 post-tenure]

In the formative years as a tenure-track faculty member, professional service typically comprises student advising and mentoring, serving on conference program committees, and organizing workshops at highly selective conferences. This helps improve the faculty’s visibility and confidence to take on more challenging roles post tenure as conference program chair and editorial responsibilities on journals. This is precisely the trend I have followed post tenure. Specifically, I have served as program chair of conferences, organized workshops on contemporary topics, such as Smart Cities, and served as guest editor for journals.

In the following I briefly describe my professional service contributions at Vanderbilt University.

## 2.1 Student Advising

Advising undergraduate and graduate students is an important facet of being a faculty member. The advice I received through my collaborations with several faculty members and industry collaborators has enabled me to advise and mentor students on their technical progress and their career choices.

My PhD adviser was instrumental in mentoring me on important tasks such as paper writing, public speaking, and writing grant proposals. This has helped me achieve success in getting proposals accepted for funding. I am already inculcating these principles in my graduate students.

**Graduate Advising:** I have graduated a total of 17 PhD students, 12 as their Primary Adviser/Dissertation Committee Chair, and 5 as Co-adviser/Dissertation Committee Co-chair. All my students are well-placed either in industry or in academia. One of my PhD students, Dr. James Hill, recently got tenured and was promoted to Associate Professor at Indiana University/Purdue University at Indianapolis (IUPUI).

Currently I am the primary adviser for seven doctoral students, who are working on problems in areas of substantial interest to me, such as fog computing and Internet of Things as applied to Smart Cities.

**Undergraduate Advising:** I have consistently served as the academic adviser to undergraduate students. During my tenure-track years, I was mostly advising Computer Engineering students. Thereafter, I have been advising Computer Science students. Most recently, I have been the Computer Science adviser for 30+ students who are now rising seniors.

My other contributions have been writing recommendation letters for undergraduates seeking graduate studies, various scholarships and references for jobs. I also regularly serve as mentor for undergraduate research both during the academic year and summer.

## **2.2 University Service**

My University service during the tenure-track years comprised predominantly of departmental- and school-level activities. Primary among them included serving on dissertation defense and topic defense committees. My other prominent service included serving as a member of faculty search committee in 2005, and the CS graduate program reform committee.

My focus post tenure was been to engage myself predominantly at the University level, in addition to normal departmental service responsibilities. In particular, I served on the University Faculty Senate for three years (2011–2014) including serving as the chair of the Faculty Strategic Planning and Academic Freedom (SPAF) committee. My responsibilities as the SPAF chair were to survey and document academic freedom policies in a wide range of Universities across USA, which would be used by the senate to make informed decisions on any changes that may be needed at Vanderbilt.

Since 2011, I have also served as the School of Engineering's representative on the University Appellate Review Board. I have served as an arbitrator on a few cases. Most recently, I have been appointed to the University's Technology Review Committee. Our current focus is on discussing intellectual property issues, particularly in the face of the recent VU and VUMC split.

## **2.3 Professional Service**

My professional service external to the University includes a range of activities.

I regularly serve a reviewer for grant proposals for both national and international funding agencies. I regularly get invited to serve as a referee for top-ranked journals and conferences in Computer Science. I have also served as Program chair and Conference chair for conferences, as well as organized several different workshops. Recently, I am also serving as guest editor for three different journals.

## **3 Looking Forward**

As I step into the next phase of my faculty career, my focus for professional service will include the following dimensions:

- Working towards offering a Massive Open Online Course (MOOC) on Distributed Systems Specialization on the Coursera platform.
- Seek a program manager/director position at some research funding agency, such as US National Science Foundation, Air Force Office of Scientific Research (AFOSR), or DARPA.
- Seek Fellow-level grade at IEEE and ACM, and engage in local chapter activities.
- Explore the possibility of a summer sabbatical at institutions like IIT, Bombay or IISc, Bengaluru both in India.
- Strive to improve the quality of the CS program by promoting interdisciplinary educational objectives

- Engage in lectures for freshman students in Vanderbilt Commons. I am looking forward to discussing stress management techniques, which I have recently learned by taking courses from the Art of Living Foundation and Isha Inner Engineering.