# Nupoor Ranade

DEPARTMENT OF ENGLISH · CARNEGIE MELLON UNIVERSITY

Dietrich College of Humanities and Social Sciences | 5000 Forbes Ave, Pittsburgh, PA 15213 | Baker Hall 254E

## EMPLOYMENT

### Assistant Professor of English and Technical Communication

CARNEGIE MELLON UNIVERSITY, PITTSBURGH, PA US · *Aug. 2024 – Present*

- Faculty in the Professional and Technical Writing (MA) & Writing and Rhetoric (PhD) programs

### Assistant Professor of English

GEORGE MASON UNIVERSITY, FAIRFAX, VA, US · *Aug. 2021 – June 2024*

- Faculty in the Professional and Technical Writing (MA) & Writing and Rhetoric (PhD) programs

## EDUCATION

### Doctor of Philosophy in Communication, Rhetoric and Digital Media

NORTH CAROLINA STATE UNIVERSITY, RALEIGH, NC, US · *GPA: 4.0* · *Aug. 2017 – Jun. 2021*

- Dissertation: Re-contextualizing audience analysis: New conceptualizations of user interactions in product documentation spaces

### Master of Science in Technical Communication

NORTH CAROLINA STATE UNIVERSITY, RALEIGH, NC, US · *GPA: 4.0* · *Aug. 2015 – May 2017*

- Capstone project: Developing an open source documentation theme using jekyll
- Certificate of Accomplishment in Teaching (CoAT)
- Graduate Certificate in Digital Humanities

### Bachelor of Engineering in Computer Engineering

PUNE INSTITUTE OF COMPUTER TECHNOLOGY, UNIVERSITY OF PUNE, PUNE, IN · *GPA: 3.25* · *Aug. 2008 – May 2011*

- Final project: User interface to simulate configuration of cloud topology

## GRANTS

*Total funding (including collaborative) from 8 grants: $171,378; PI on 3 external grants and 2 internal grants; Co-PI on 2 external grants and 1 internal grant.*

### EXTERNAL GRANTS

| Year | Description | Amount |
|---|---|---|
| 2023 | National Science Foundation (NSF) – Automated Privacy Positioning with Context Awareness in Wearable Technology. Yu, B. (PI), **Ranade, N.** (co PI), Zhang, L. (co PI) & Menon, N. (co PI) | *$60,000* |
| 2022 | Toyota InfoTech Labs, Collaborative Research, Impact of Human Behavior in Autonomous and Mixed Traffic Environments. Zhang, L. (PI), **Ranade, N.** (co PI), Menon, N. (co PI) | *$40,000* |
| 2021 | Conference for the Teaching of Technical Communication (CPTSC), Investigating data analytics as a pedagogical practice for technical communication **Ranade, N.** (co PI) & Hocutt, D. (co PI) | *$2000* |
| 2020 | Association of Teachers of Technical Writing, Margaret (Marty) Baker Graham Research Grant | *$500* |
| 2018-19 | CCCC Research Initiative, Proposal for Research Position | *$29,808* |

### INTERNAL GRANTS

| Year | Description | Amount |
|---|---|---|
| 2023 | Stearns Center for Teaching and Learning, Anti-Racist Research Practices in Professional and Technical Writing. **Ranade, N.** (PI) & Green, M (co PI) | *$3,000* |
| 2022-23 | 4-VA Collaborative Research Grant, Ethical Data Analytics: Investigating Data Analytics as a Pedagogical Practice for the Humanities, **Ranade, N.** (PI), Hocutt, D. (consultant), Richards, D. P. (co PI), Wourman, J. (co PI) & Baniya, S. (co PI) | *$19,570* |
| 2022 | Stearns Curriculum Redesign Grant, Responsible Technology Futures – Revision of IT 304 – IT in the Global Economy. Johri, A. (PI) **Ranade, N.** (co PI) | *$16,500* |

SEPTEMBER 15, 2024        NUPOOR RANADE, PH.D. · CURRICULUM VITAE        1

## BOOK CHAPTERS

1. Messina, C.M., **Ranade, N.** & Rea, A. (Under revision) A Feminist Coding Heuristic *in Feminist Design Rhetorics: Theories, Practices, and Pedagogies for Building Equity and Collective Justice* Ravel, K., Sullivan, R. & and Prins, K. (Eds.)
2. **Ranade, N.** Social innovation (2024) in *Keywords in Making: A Rhetorical Primer.* Tham, J. (Ed.) Parlor Press.
3. **Ranade, N.** AI for editing. (2023) in *TextGenEd: Teaching with Text Generation Technologies*, Vee, A., Laquintano, T. & Schnitzler, C. (Eds). WAC Clearinghouse.

## EDITED WORKS

1. **Ranade, N.** & Eyman, D. eds. (2024). Special Issue on Composing With Generative AI. *Computers and Composition*
2. **Ranade, N.** & Berger, A. eds. (2024). Special Issue on Bringing industry and academia together to meet the training and development needs of technical communicators. *STC Intercom.*
3. Melonçon, L. & **Ranade, N.** eds. (2021). Special Issue on Accessibility in professional communication. *IEEE Transactions on Professional Communication.*
4. Hughes, S. & **Ranade, N.** eds. (August 2019). The "New Normal". *Digital Rhetoric Collaborative Blog Carnival 19.* Retrieved from https://www.digitalrhetoriccollaborative.org/category/conversations/blog-carnival/blog-carnival-19/

## REVIEWS

- **Ranade, N.** (2020) Visual rhetorical analysis and review of virtual Martin Luther King, Jr. Project, *Kairos: A Journal of Rhetoric, Technology, and Pedagogy.* 24(2).
- **Jalindre (née), N.** (2018). Review of Teaching and training for global engineering perspectives on culture and communication practices by St.

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- **Ranade, N.**, Dorpenyo, I., & Kim, Y. (2022). Cross-disciplinary Actions and Stakeholder Collaborations in Classroom Learning. 40th ACM Internas in-

- **Ranade, N.**, Dorpenyo, I., & Kim, Y. (2022). Cross-disciplinary Actions and Stakeholder Collaborations in Classroom Learning. 40th ACM Internas in-

## AT CARNEGIE MELLON UNIVERSITY

### ˝5 3@8 S41@›5?
*1 section*

GRADUATE FACULTY, CARNEGIE MELLON UNIVERSITY, DEPARTMENT OF ENGLISH
*Fall 2024*

- This course helps students examine a variety of digital media as they intersect with humans as well as with theories of rhetoric.
- Students learn to explore digital technology by actively participating in digital spaces and creating digital artifacts.

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*1 section*

GRADUATE FACULTY, CARNEGIE MELLON UNIVERSITY, DEPARTMENT OF ENGLISH
*Fall 2024*

- Through readings, discussions, projects, and writing workshops, students develop a rhetorically-grounded approach to analyzing communications problems and producing a range of effective and situation-specific professional documents.

## AT GEORGE MASON UNIVERSITY

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*1 section*

UNDERGRADUATE FACULTY, GEORGE MASON UNIVERSITY, DEPARTMENT OF ENGLISH
*Spring 2024*

- This course helps students identify ethical issues through analysis of abstract AI/ML technology.
- Using rhetorical theory and practical frameworks, students learn to evaluate projects and develop guidelines that encourage more fair and equitable algorithmic outcomes.

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*1 section*

GRADUATE FACULTY, GEORGE MASON UNIVERSITY, DEPARTMENT OF ENGLISH
*Spring 2023*

- Taught theory, methods, and ethics of conducting research in rhetoric and professional writing.
- Students learnt to analyze scholarly work, practiced data collection and analysis and developed independent project proposals.

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*1 section*

GRADUATE FACULTY, GEORGE MASON UNIVERSITY, DEPARTMENT OF ENGLISH
*Fall 2022*

- Taught foundational skills and knowledge required to effectively create proposals for various types of organizations especially government contracting in the DC area.
- Collaborated with industry partners to provide students with live-projects to work on.

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*1 section*

GRADUATE FACULTY, GEORGE MASON UNIVERSITY, DEPARTMENT OF ENGLISH
*Spring 2022*

- **Proposed** the Special Topics course
- Helped students understand and apply the fundamental theories, principles, and guidelines of user experience design (UX).
- Collaborated with industry partners to provide students with live-projects to work on.

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*3 sections*

UNDERGRADUATE FACULTY, GEORGE MASON UNIVERSITY, DEPARTMENT OF ENGLISH
*Spring 2022, Summer 2022, 2023*

- Introduced science and engineering students to genre analysis and various types of workplace communication.
- Assignments emphasized writing and testing content for various audiences in professional and organizational contexts.

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*2 sections*

GRADUATE FACULTY, GEORGE MASON UNIVERSITY, DEPARTMENT OF ENGLISH
*Fall 2021, Fall 2022*

- Taught theoretical and practical concerns about language, process, and technology in professional editing contexts.
- Introduced new assignments on content accessibility and AI for editing.

## AT NORTH CAROLINA STATE UNIVERSITY

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*5 sections*

INSTRUCTOR, NORTH CAROLINA STATE UNIVERSITY, DEPARTMENT OF ENGLISH
*Fall 2020 (2), Spring 2017 (2), Fall 2016*

- Prepared Syllabus, Course Materials, Assignments and Rubrics to help students develop communication skills for industrial environments.
- Students worked with stakeholders of the MLK project to create useful and accessible documentation.

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*2 sections*

INSTRUCTOR, NORTH CAROLINA STATE UNIVERSITY, DEPARTMENT OF ENGLISH
*Spring 2020 (2)*

- Prepared Syllabus, course materials, assignments and rubrics to help students communicate effectively in workplace contexts.
- Students wrote proposals to solve real-world problems in business and public organizations by analyzing the purpose, audiences, and contexts.

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*1 section*

INSTRUCTOR, NORTH CAROLINA STATE UNIVERSITY, CROSS-LISTED ENGLISH & COMMUNICATION DEPARTMENTS
*Fall 2019*

- **Won proposal** to teach a course about the influence of emerging technologies on rhetorical theory and practice.
- Taught students how to design, develop and evaluate digital texts like chatbots using programming and rhetorical criticism.

## SERVICE TO THE DEPARTMENT

2023 24 **Ž19. 1>,** Search committee for Term Faculty, George Mason University

2023 **">1?1: @l>,** Course showcase, Department of English, George Mason University

2022 24 **%&ž/; ; >05 - @?>,** Professional and Technical Writing Program, George Mason University

2021 23 **Ž˘ - : 0"4˘ - <<85-@5: ?>1B51C1>,** Department of English, George Mason University

2022 24 **°; ; >05 - @?> Ž- : -31>,** Qualtrics services, English Department, George Mason University

2021 23 **°4 5 Ž19. 1>,** Outreach Committee, Department of English, George Mason University

2018 19 **Ž19. 1>,** Search Committee, Department of English, NC State University

## SERVICE TO THE iNSTiTUiTiON

2023 **flA031,** 13th annual CHSS Undergraduate Research Symposium, George Mason University

2022 24 **"->@55-:@$1?<;: ?58 ˘>@55 86 @1881: /1°A>>5A9A9 ˘1?53 ">;6l/@,** National Humanities Center, Representing George Mason University

2018 **">; 3-9 /; ; >05 - @?>,** WritersUA conference East, NC State University

2017 **"11>Ž1: @?>,** Communication, Rhetoric and Digital Media, NC State University

2016 21 **Ž19. 1>,** Technical Communication Association, NC State University

2016 **¸B1: @/; ; >05 - @?>,** SpeedCon 2016 conference, NC State University

## SERVICE TO THE FiELD

2024 **f¡B5410 9 19. 1>,** 7C Ad Hoc Committee on AI

2023 **˘- /A8E8l- O1>,** Dartmouth Summer Seminar for Writing Research: A research intensive for faculty

2022 **flA031 %@AO1: @$1?1->/4°; 9<1@&5: %$°,** The Association for Computing Machinery (ACM) Special Interest Group on the Design of Communication (SIGDOC)

2022 24 **Ž19. 1>-@1->31,** Executive Board, ACM SIGDOC

2022 24 **Ž19. 1>; 2@41¸O5@>58 ; ->0,** IEEE Transactions on Professional Communication

2023 **$1B51C1>,** Journal of Business and Technical Communication

2022 **$1B51C1>,** International Journal of Human Computer Interaction

2022 **$1B51C1>,** IEEE Transactions on Professional Communication

2022 **°; ; 2l>1: /1">;/1105 3? $1B51C1>,** Computers and Writing 2022

2021 **˘??; /5@1¸O5@>,** Kairos: A Journal of Rhetoric, Technology, and Pedagogy

2020 21 **˘??5@>: @>¸O5@>- : 0fi@1>: ,** Kairos: A Journal of Rhetoric, Technology, and Pedagogy

2020 23 **Ž19. 1>,** CCCC nextGEN Committee

2020 **">; <; ?- 8$1B51C1>,** Association of Business Communication (ABC) Conference

2019 **">; <; ?- 8$1B51C1>,** SIGDOC conference

2020 21 **°; ; >05 - @?> %&- /1 9- 75 3?A /; 9 9 5@11,** Graduate Student Committee CPTSC

2019 21 **%@AO1: @$1<>1?1: @@Bl,** Executive Board, ACM SIGDOC

2019 21 **Ž; 01> @?>,** nextGEN listserv

2016 19 **˘: : A- 8; >55 3°; 9<1@55: flA031,** Society of Technical communication (STC), Carolina Chapter

2013 15 **(; 8& @11>-: 01B1: @/; ; >05 - @?>,** STC Regional Conference, Pune Chapter

2014 **%&ž°5E°; ; 2l>1: /1<8: : 5 3/; 9 9 5@11 919. 1>,** STC India, Pune Chapter

2023 **Ž- : A?4>5'- : 0E˘˘˘,** PhD Committee Member, *NC State University*

2023 **fl1: ˘14?1: 21&0 ˘˘˘,** PhD Committee Member, *George Mason University*

2023 24 **/ - 0118, 8 - /7A?4,** Undergraduate English Honors Thesis advisor, *George Mason University*

2022 23 **&9->ž; 181 Ž; ; >9-: ,** MA Thesis advisor, *George Mason University*

2022 23 **Ł- @4>E: fl1085?,** MA Thesis advisor, *George Mason University*

2022 23 **¸B : %85101>,** Undergraduate English Honors Thesis advisor, *George Mason University*

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*Cary, NC, US*

GRADUATE RESEARCH ASSISTANT, TECHNICAL COMMUNICATIONS DEPARTMENT

*Aug. 2018 ‑ Aug. 2019*

- Conducted user behavior analysis through usability studies, user surveys, A/B testing, and Google Analytics
- Triangulated results from Google analytics and usability testing data to make design recommendations to the documentation site
- Made recommendations for content operationaliztion and search engine optimization
- Conducted audience analysis and content research to kickstart chatbot for sales project
- Worked closely with engineers, usability lab consultants, website developers and accessibility experts

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*Fort Lauderdale, FL, US*

INTERN, TECHNICAL WRITER

*May 2018 ‑ Aug. 2018*

- Developed key performance indicators (KPIs) for audience analysis and for effective documentation
- Conducted customer research for UX designing from data gathered through the annual stakeholders survey
- Assisted in converting documentation files from plain text to Markdown in git environment
- Made content design recommendations to the Marketing, Support and Documentation teams

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*Santa Clara, CA, US*

INTERN, TECHNICAL WRITER

*May 2016 ‑ Aug. 2016*

- Conducted usability testing on select documentation topics to make recommendations to the online documentation website
- Converted existing documentation to a context sensitive model in a DITA framework

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*Pune, MH, IN*

TECHNICAL WRITER AND DOCSITE ADMINISTRATOR

*Oct. 2013 ‑ Jul. 2015*

- Created and maintained product documentation including User guides, (REST) API documentation, Programmer's guides
- Developed and published video tutorials
- Conducted peer reviews and editorial reviews on documentation guides
- Worked closely with engineers, software testers and product managers to deploy documentation in three consecutive release cycles (quarterly)

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*Pune, MH, IN*

SOFTWARE DEVELOPER

*Aug. 2011 ‑ Oct. 201  J docum*