

KHYATI PRIYA

IDC School of Design
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Education

- 2021 – present **PhD, Design**, *Indian Institute of Technology Bombay*,
PhD topic: Understanding Perceived Affordances in 4D Printed Products.
Supervisors: Prof. Jayesh Pillai and Prof. Avinash Shende..
- 2016 – 2020 **Bachelor of Design**, *Indian Institute of Technology Guwahati*, CPI: 9.33/10.
Awarded Institute Silver Medal for securing the highest CPI in the Design batch..
- 2016 **Senior Secondary Examination**, *CBSE Board*, Percentage: 93.4%.
- 2014 **Secondary Examination**, *CBSE Board*, CGPA: 10/10.

Publications (Peer Reviewed)

Accepted

- 2024 **Khyati Priya**, Jayesh Pillai, and Avinash Shende. Do Passive Layers Affect the Form Change in FDM 4D Printing? In *Digitalization in Additive Manufacturing*, 2024.

Published

- 2024 **Khyati Priya**, Jayesh Pillai, and Avinash Shende. Human interaction with the physical world: a brief review of studies on affordances. In *Proceedings of the Design Society*, volume 4, page 105 – 114. Cambridge University Press, 2024.
- 2023 **Khyati Priya** and Pankaj Upadhyay. Additive manufacturing for inclusive games. In *Proceedings of International Conference on T4E*, pages 189 – 192, 2023.
- 2023 **Khyati Priya** and Anirudha Joshi. Fitts' throughput vs empirical throughput: A comparative study. In *INTERACT 2023, 19th IFIP Conference on Human-Computer Interaction*, volume 14142 LNCS, page 436 – 455. Springer Nature, 2023.
- 2022 **Khyati Priya**. Perceived affordances in programmable matter. In *ISS 2022 - Companion Proceedings of the 2022 Conference on Interactive Surfaces and Spaces*, page 37 – 40. ACM DL, 2022.
- 2021 **Khyati Priya** and Pankaj Upadhyay. Assistive devices for one-handed people using desktop manufacturing methods. In *Design for Tomorrow: Proceedings of ICoRD 2021*, volume 3, page 439 – 448. Springer Nature, 2021.

Under Review

- **Khyati Priya**, Niya Sharma, Aditya Padmagirwar, Jayesh Pillai, and Avinash Shende. Made to Curve: Studying Perceived Affordances and Signifiers in 4D Printed Objects.
- **Khyati Priya**, Jayesh Pillai, and Avinash Shende. How Signifiers and End Goals Shape Affordance Perception in Shape-Changing Interfaces.

Scholarships, Awards & Others

- 2022 – present **PMRF Scholarship:** Received Prime Minister's Research Fellowship from Ministry of Education, Government of India to support PhD research work.
- 2023 **ACM-Women Scholarship:** Received ACM-Women Scholarship grant of \$1200 to attend INTERACT 2023 conference at York, UK.
- 2022 **AUA Youth Forum (Kazakhstan):** Nominated by IIT Bombay to attend Asian University Alliance (AUA) Youth Forum in Kazakhstan on the theme *Building the Silk Road*.
- 2020 **Institute Silver Medalist, IIT Guwahati:** Awarded Silver Medal by Indian Institute of Technology Guwahati for securing the highest CPI among the graduating students in the Design discipline.
- 2019 **International Youth Exchange Program (China):** Nominated by Ministry of Youth Affairs and Sports, Government of India as an Indian delegate for International Youth Exchange to China.
- 2018 **Institute Merit Scholarship, IIT Guwahati:** Recipient of Institute Merit scholarship for being the year-wise class topper in the Design discipline at IIT Guwahati.
- 2016 **Undergraduate Common Entrance Exam for Design:** Secured All India Rank 36 among 7000 candidates appearing for the test.
- 2014 **District topper, 2014:** Awarded laptop by UP government for being the high school topper of the Bareilly district.

Teaching and Research Experience

- 2021 – present **Teaching Assistant, IIT Bombay:** Teaching Assistant under Prof. Jayesh Pillai and Prof. Avinash Shende at IDC School of Design, IIT Bombay.
- Apr 2025 **Visiting Faculty, MIT ID, Pune:** Will be teaching *User Studies* to second year B.Des students between 7th and 25th April, 2025.
- 2023 – 2024 **Visiting Faculty, Doon University, Dehradun:** Taught *Geometry & Form* and *Creative Thinking* to first year B.Des students; Conducted a workshop on *Nature & Form* with third year B.Des (Product Design) students.
- May 2018 – Jul, 2018 **Invent@IITGn (Internship):** Developed and prototyped a system to enable visually impaired people navigate indoors and wrote and filed **an Indian and a US provisional patent** for the invention as a part of the program.

Conference Organisation

- 2024 **Program Chair** at IndiaHCI 2024.
- 2023 **Proceedings Chair** at IndiaHCI 2023.
- 2023 – 2024 **Reviewer** at CHI 2024 (Full paper), IndiaHCI 2024 (Full paper, Arts track), IndiaHCI 2023 (Full Paper, Arts track), CHI 2023 (Full paper, Late-Breaking Work), INTERACT 2023 (Short Paper), ISS 2023 (Full Paper).
- 2023 **Student Volunteer** at INTERACT 2023.

Position of Responsibility

- Oct 2022 – **Overall Co-ordinator, Pre-PhD Symposium:** Co-managed an event organised by IDC School of Design, IIT Bombay to connect 70 aspiring PhD candidates with 24 PhD Designers from India.
- Jul 2022 – **Student Companion, IIT Bombay:** Provided guidance to a group of PhD freshers on various aspects of academic and non-academic life to ensure their smooth transition into the university.
- Feb 2019 – **Core Team Member, Design Workshop, IIT Guwahati:** Responsible for inviting and mentoring over 500 students from 30 schools for a design workshop held as a part of department fest at Department of Design, IIT Guwahati.
- Oct 2016 – **Organizing Team Member, Lecture Series, Techniche, IIT Guwahati:** Responsible for inviting eminent national and international guests to deliver a lecture during Techniche, the annual techno-management fest of IIT Guwahati.

Extracurriculars

- 2016 – 2020 **Club Member, Dramatics Society of IIT Guwahati:** Performed and directed several street plays on spreading awareness about social issues. Represented IIT Guwahati at Inter-IIT Cultural meets 2017 & 2018.
- 2016 – 2017 **Volunteer, Disha:** Volunteer at Disha, an initiative by IITG students to teach underprivileged children of nearby villages.