

## Zero Degree Project (ZDP)

### Collaboration Opportunities for Students, Doctoral and Post-doctoral Scholars

Thank you for your interest in contributing to research and prototyping projects at ZDP! Please follow the steps below to initiate a meaningful collaboration with us.

- I. Please visit the ZDP websites (<http://zerodegree.stanford.edu> or <http://zerodegree.org>) and review the Overview, Welcome and Brochure documents, and the attached five ZDP collaborative focus practice areas (see page 2 of this document). Once you have identified the focus practice area that aligns with your own research interest and you would like to contribute to and learn from, please write directly to the lead person of the focus practice area by providing information requested in step II below with cc to [sshariq@zerodegree.io](mailto:sshariq@zerodegree.io) and [melissa@zerodegree.io](mailto:melissa@zerodegree.io).
  - II. In order to convey your interest to the ZDP leader of the focus practice area you have chosen to work with please respond to the following questions, it will help the leader to better understand your vision and arrive at a thoughtful decision on how best to collaborate with you. Please send your CV along with your response. The opportunities at ZDP do not offer any financial remuneration or benefits. Student internships for non-Stanford students are limited to the summer only).
    1. Name:
    2. Address:
    3. Citizenship Status/Visa Status:
    4. Valid Passport (Y/N):
    5. Duration you would like to be at ZDP: From (date), To (date)
    6. Education:
      - i. Doctoral and Post-doctoral Scholars: Degree(s)
      - ii. Students: Major, Year in College, Relevant Course Work
    7. Which ZDP focus practice area are you interested in?
    8. How do you envision yourself contributing to the ongoing research within the your chosen focus practice area?
    9. How being at ZDP will contribute to your professional and personal growth?
    10. What would you like to have achieved at the end of your collaboration with ZDP?
    11. Name of an academic advisor from your current institution who will be willing to send a letter recommending you to ZDP:
1. ZDP requires a research progress report at the completion of your collaboration at ZDP. Will you make a commitment to preparing this report and submitting a copy of this report to your academic advisor at your current academic institution?
  2. Comment on the following quote: “If I'm giving people hope then that is a responsibility, so I have to make sure that I am accountable.”

## Accountability to Zero Degree Initiatives through Five Focus Collaborative Practice Areas

**“Zeroing climate temperature maximally in the shortest possible time, at the least possible cost, through the creation Zero Degree economic ecosystem.”**

*The Lead and Co-Leads will be invited by Zero Degree Project founders (Syed Shariq, Lead, Neeraj Sonalker, Co-Lead, Thomas George, Co-Lead and Melissa Vo, Co-Lead) to spearhead each of the following five collaborative practice areas.*

### 1. Experience Design Practice

**Description:** Designing experiential spaces as Innovatoriums (in the spirit of Exploratoriums) for instantiating and sharing the Zero Degree Prototypes/Innovations for cooling the capital in the vicinity of each ZDP member University or academic center. The areas knowledge and expertise will include human innovation design research, design theory, experience design, prototyping virtual and real-time testbeds and experiential spaces.

- **Lead:** Katie Roper, @University of California, Santa Cruz
- **Co-Lead:** Neeraj Sonalker, PhD @Stanford University
- **Advisor:** Syed Shariq, PhD @Zero Degree Project

### 2. Cyber Infrastructure Practice

**Description:** Developing and making accessible algorithms for real-time feedbacks (micro-macro links) to individuals, enabling them to create and contribute Zero Degree Days as assets in the creation of the Zero Degree Economy. The areas knowledge and expertise will include cyber-technologies, platforms, AI, and VR-AR.

- **Lead:** Shawon Rahman, PhD @University of Hawaii, Hilo
- **Co-Lead:** Vishesh Gupta @Stanford University
- **Advisor:** Syed Shariq, PhD @Zero Degree Project

### 3. Zero Degree Finance Practice

**Description:** Engaging individuals, as economic agents, in developing, innovating and implementing their lifestyle-based finance practices of self for enabling bottom-up climate change initiatives for cooling the capital in a timely way. The participants will be invited to engage in prototyping their Zero Degree Days, as assets that can be valued and accumulated across all participants throughout the world. These accumulated assets will represent the value creation in the cooling economy and can be redeemed through value matching process with those in the current economy. The areas of knowledge and expertise will include finance, accounting practices and innovations in the creation of zero degree economies.

- **Lead:** Syed Shariq, PhD @Zero Degree Project
- **Co-Lead:** Erik Bordelau, PhD @Global Center for Advanced Studies
- **Co-Lead:** Melissa Vo @Zero Degree Project

### 4. Terrestrial Practice

**Description:** Regenerative economy through fostering climate cooling culture. The areas of knowledge and expertise will include agriculture, forests, oceans and culture.

- **Lead:** Thomas George, PhD @Zero Degree Project
- **Co-Lead:** Ming Wei, PhD @Center for Getting Things Started
- **Advisor:** Syed Shariq, PhD @Zero Degree Project

### 5. Extraterrestrial Practice

**Description:** Extending the creation of Zero Degree economy to the current and future presence of life in extraterrestrial spaces. The areas of knowledge and expertise will include collaboration with Space Station and future missions for exploration of space.

- **Interim Lead:** Syed Shariq, PhD @Zero Degree Project