

JIL SHETH



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PROFILE

Passionate and equity-driven Ph.D. scholar in planning policies with an MSc in Urban and Regional Planning (RTPI), and a bachelor's in construction technology. I have previously worked as a post-doctoral fellow in Placemaking, and on construction projects like Metro-rail construction, and solar decathlon project. Have delivered courses on sustainable transport management and have been a teaching assistant for courses like climate change, environmental studies, geotechnical engineering and spatial planning courses. Interested in a career relating to construction, spatial planning, and development control-related projects.

EDUCATION

PHD IN URBAN STUDIES AT HERIOT-WATT UNIVERSITY (OCT 2019 TO PRESENT)
AWARDED THE FULLY FUNDED JAMES WATT SCHOLARSHIP Submitted dissertation, waiting for viva

Dissertation Topic: Study of Policy Transfer Mechanism for land use policies in India and comparing it to the UK context

The study aims to assess the extent and nature of policy transfer in land use planning policy in India. It covers policy diffusion, policy transfer, lesson drawings, fast-policy transfer mechanisms along with policy translation and mobility in the Indian context highlighting the implementation of the policy transfer mechanisms and their extent in the country.

LEARNING ABOUT LEARNING (AFHEA) AT HERIOT-WATT UNIVERSITY (SEPT 2021 TO JUN 2022)

Awarded Associate Fellowship of the Higher Education Academy (AFHEA), which provides recognition of professional practice for supporting teaching and learning in Higher Education.

MASTERS IN URBAN AND REGIONAL PLANNING (RTPI)- UPPER 2:1, HERIOT- WATT UNIVERSITY

AWARDED THE BRITISH COUNCIL SCHOLARSHIP (WOMEN IN STEM) (SEP 2018 TO SEP 2019)

As part of my studies, attended various classes dealing with both the theory and practical aspects of Strategic Development, Regeneration and Policies. The course itself is accredited by RTPI and as such has been designed to give an understanding of the synergy between the commercial aspects of development alongside the policy lead interests of planning. I believe this dual understanding gives me a unique ability to see 'both sides of the coin' when addressing issues around Regeneration and Policies. I see this as a vital skill in allowing me to make decisions that are both socially & environmentally sustainable while still considering economic viability.

Dissertation Topic: ' Tiny Houses as a potential solution to homelessness and housing insecurity in the UK and worldwide'

BACHELOR OF CONSTRUCTION TECHNOLOGY - FIRST CLASS, CEPT UNI (JUN 2013 TO JULY 2018)

Unique interdisciplinary five-year practical learning program, enhancing skills in civil engineering concepts along with project management, site training, design, economics, environment, energy, and sustainability. I took over 90 courses in 5 years tenure of this bachelor's course. It equipped me with the competencies necessary for being effective professional engineers and exposed me to the technical, managerial and social dimensions of the built environment.

Semester-long dedicated project training on mega infrastructure projects and undergraduate research thesis work.

Dissertation Topic: ' Assessment and Evaluation of Solid Waste Management Alternatives: A case study of Gandhinagar'

TEACHING/ACADEMIC ROLES

Training and Engagement Coordinator - EQUATE Scotland Charity, Edinburgh Napier University (MAY 2023- PRESENT)

Instructor- Spatial Planning - Heriot-Watt University Lecturing PGT Students (SEP 2020- DEC 2020)

Teaching Assistant- Shaping Tomorrow Together - Heriot-Watt University (SEP 2020- PRESENT)

Teaching an undergraduate-level course and grading the coursework

The Brilliant Club Tutor - Maths, Physics, Chemistry (JAN 2022- PRESENT)

Teaching Assistant- Environmental Studies - CEPT University (Teaching undergraduate students) (JUL 2016-DEC 2016)

Teaching Assistant- Geotechnical Engineering - CEPT University (Teaching undergraduate students)(JUL 2017-DEC 2017)

Approved Marker - Scottish Geographies (Teaching undergraduate students) (APR 2021-PRESENT)

LINKED IN

www.linkedin.com/in/jils

WEBSITE

jiltsheth.wixsite.com/jilsheth

WORK EXPERIENCE

Researcher at Innovation Lab - EGIS, Heriot-Watt	(SEP 2022- MAR 2023)
Post-Doctoral Researcher in Placemaking - UAL	(MAY 2022- AUG 2022)
Heriot-Watt Residence Life Warden	(AUG 2020- PRESENT)
Storyboros - BNI Member and Social Media Manager	(SEP 2019- PRESENT)
The Balmoral - Meeting and Events Team Member	(DEC 2018- NOV 2022)
Tartan Weaving Mill (Photography and Sales)	(JUL 2019- MAR 2020)
Mindfullybeing (Social media manager)	(FEB 2019- DEC 2019)
Ahmedabad Metrorail (MEGA) - Intern	(DEC 2016- MAY 2017)
Adani Shantigram, Ahmedabad (Intern)	(JAN 2015- APR 2015)

POSITIONS OF LEADERSHIP

School Officer -EGIS Heriot-Watt	(JAN 2022- PRESENT)
Social media Handler - Heriot-Watt Online	(OCT 2021- MAY 2022)
Solar Decathlon Society-Team ESTEEM Vice Lead	(MAR 2020- SEP 2022)
Gender Parity Mission Ambassador	(JUL 2017-MAY 2018)
Placement Coordinator & CampusAmbassador	(JUN 2017-JUL 2018)
Social media Handler CEPT University	(APR 2016-JUL 2018)
Content editor at Edifice (CEPT Magazine)	(JUL 2016-JUL 2017)
Kaagaz (Start-Up) R&D Head	(DEC 2017-JUL 2019)
Class Representative Heriot-Watt	(SEP 2018-SEP 2019)
Student Ambassador Heriot-Watt	(SEP 2018-PRESENT)

MEMBERSHIPS

The institution of Civil Engineers U.K.	No:86991540
Institute of Structural Engineers London	No:088402567
American Society of Civil Engineers	No:11022821
International Association of Engineers	No:202544
United Nations Volunteers	No: 1074928
National Society of Professional Engineers, U.S.	No: 300452874
The Chartered Institute of Building -COIB U.K.	No:2029561
Royal Town Planning Institute U.K.	No:90714
The Royal Institution of Chartered Surveyors	No:6597920
American Society of Civil Engineers	No:11022821

VOLUNTEERING

Heriot-Watt Indian Society - President	(MAY 2020-PRESENT)
National Indian Students and Alumni Union U.K. - (NISAU)- National Officer	(AUG 2019- PRESENT)
NUS National representative	(OCT 2021- PRESENT)
STEM Ambassador	(SEP 2021- PRESENT)
Watt Women in STEM Society- President	(MAR 2021- PRESENT)
Graduate Apprentice Society- Secretary	(SEP 2021- SEP 2022)
Laddoo Foundation: NGO Volunteer	(JAN 2014- AUG 2018)
United Nations Association: Volunteer	(JUN 2017-PRESENT)
PEOI Staff Author (Environmental Studies)	(JUL 2017-PRESENT)
CAEPA Cameroon: UN Volunteer	(JUN 2017-PRESENT)
Child Rights and You [CRY] & URIDU Proofreader	(NOV 2017-PRESENT)
Obama Foundation and Global Fund for Women	(JUN 2017-PRESENT)
Defence for Children International (Geneva - UN)	(JUL 2018-AUG 2018)



SKILLS

Research | Civil Engineering | Construction | Spatial Analysis | Surveying | Sustainability | Inventory Management | Environment | Urban Studies | Structural Engineering | Planning | Regeneration | Data Analysis | Mapping |

LICENSES & CERTIFICATIONS

CITB Health and Safety Training
ArcGIS Essential Training
AutoCAD Mechanical Essential Training
Six Sigma: Green Belt and Foundations
AutoCAD: 2D & 3D Elevations
AutoCAD 2018 Essential Training
AutoCAD Civil 3D Essential Training
Cert Prep: AutoCAD Civil 3D Certified Professional
AutoCAD Civil 3D: Site Design
Navisworks Essential Training
ArchiCAD Essential Training
InfraWorks Essential Training
Tableau 10 Essential Training
NVivo 2018 Essential Training
Green Building Concepts Foundations

LANGUAGES

English: Full professional proficiency
Hindi: Native or bilingual proficiency
Gujarati: Native or bilingual proficiency
Marathi: Elementary proficiency
Sanskrit: Elementary proficiency
Urdu: Elementary proficiency

SOFTWARE SKILLS

AutoCAD and Revit	● ● ● ● ●
STAAD Pro	● ● ● ● ●
Microsoft Project	● ● ● ● ●
GIS	● ● ● ● ●
SketchUp	● ● ● ● ●
ArchiCAD	● ● ● ● ●
Microsoft Office & Windows	● ● ● ● ●
Adobe CC Suite	● ● ● ● ●

UNIVERSITY AWARDS

Awarded the Ruby award for volunteering 500 hours at Heriot-Watt and Stefan Kay Volunteer of the Year Award 2023.
Nominated twice for Principal's Award for Student Community and Stefan Kay Volunteer of the Year Award and Outstanding Support Staff Award.

RELEVANT WORK EXPERIENCE

RESEARCHER AT INNOVATION CELL, EGIS, HERIOT-WATT UNIVERSITY SEP 2022 - MAR 2023
Working on applications of recycled textiles in construction, involving lab and research work under Prof. Gabi Medero.

TEACHING ASSISTANT / INSTRUCTOR, HERIOT-WATT UNIVERSITY SEP 2020 - PRESENT
Teaching Assistant for the Shaping tomorrow together course and instructor for spatial planning courses.

VICE-PRESIDENT SOLAR DECATHLON SOCIETY AND MEMBER, TEAM ESTEEM (HERIOT-WATT) MAR 2020 - SEP 2022
Currently working on Solar Decathlon Middle East project to represent Heriot-Watt University at SDME2020 as part of Team Esteem, Ex. Team leader for Interior design, Current Vice-President for the Solar Decathlon Society

INTERN - SITE ENGINEER, AHMEDABAD METRORAIL (MEGA) DEC 2016- MAY 2017
Intern at Ahmedabad Metrorail (MEGA) under the contractor DRA- CICO (JV) for the construction of 6 elevated stations for Ahmedabad Metrorail. The internship included attending and organising public meetings as well as stakeholder engagement.

INTERN - SITE ENGINEER, ADANI SHANTIGRAM, AHMEDABAD JAN 2015- APR 2015
Intern at Adani Shantigram in the construction of township bungalows in a 600-acre integrated township project

ACHIEVEMENTS

INTERNATIONAL LEVEL

- Awarded British Council India 70th Anniversary Scholarships for Women in STEM
- Awarded Fully funded James Watt scholarship for PhD in Urban Studies at Heriot-Watt University
- Vice President for Team ESTEEM society and participant in Solar Decathlon Middle East 2021
- National officer for the U.K. for National Indian Students and Alumni Union U.K. (NISAU)
- Participated and presented in the Thirteenth UN Conference of Youth (LCOY13) Asia-Pacific Region
- Appreciation certificates for volunteering with the United Nations on multiple occasions
- Nominated for Young Scientist Award at IISc, Bangalore
- Research paper presentation and publication in an International Conference at JNU, New Delhi
- Participated and presented a research study at a Symposium at IIT Guwahati
- Selected for paper presentation at Indo-German Conference on sustainability at IIT Chennai
- Presented two papers and subsequent publication in the IJSRD Journal at habitat conclave 2016
- Received Special Jury Mention for International competition 'The Kusters Engineering Prize 2017'

NATIONAL LEVEL

- Nominated for National Union of Students (NUS) Student of the year award 2023
- Second in the "Make Your City Smart- Jabalpur" competition organised by the Government of India.
- Second in the national competition for " Make Your City Smart - Phase- 2 " - Design Street - 1 Bhopal Smart City Development Corporation Limited (BSCDCL)project
- Won an overall fourth place and a special mention for the national competition for the Make Your City Smart- Coimbatore project
- Second in the national competition for Bhopal " Make Your City Smart - Phase- 2 " Park Design 2
- Selected amongst the top 20 on a national level for D door interior design competition for 2 times
- Presented paper at a national seminar at VICT Gandhinagar
- 1st at verdant green quiz competition at youth "Habitat Conclave" 2016
- 2nd in research paper presentation and 3rd in a structure design competition at PDPU Gandhinagar
- First in India in design logo for SmartCity Udaipur

STATE LEVEL

- Winner of state-level Summer Innovation Challenge for technological innovation in Universal Accessibility, Low-cost housing, and Toilet designs
- Winner of state-level toilet design competition

RESEARCH PUBLICATIONS (ORCID ID: 0000-0002-5933-9266)

- 1] Research Paper titled "Solid Waste Management: Case Study of Ahmedabad" in International Journal for Scientific Research and Development - IJSRD
- 2] Research Paper titled "Analysis of Construction and Demolition Waste Management Policies from Sustainability Perspective" in International Journal for Scientific Research and Development -IJSRD
- 3] Research Paper titled "Paper Crete: Sustainable Building Material" in Strategic Technologies of Complex Environmental Issues-A Sustainable Approach - ISBN: 978-93-83083-85-5
- 4]Marine Pollution from Plastics and Microplastics- J Mar Biol Oceanogr 2019, 8:1
- 5]Assessment of Municipal Solid Waste Management System: A Case study of Gandhinagar City Inventi Rapid: Water & Environment, 2018(4):1-5, 2018

JOURNAL REVIEWER AND EDITOR ROLES

Associate Editor and Reviewer Towards "Journal of Aquaculture, Marine Biology & Ecology" and "International Journal of Power Electronics and Drive Systems". Reviewer towards Journals like "Examines in Marine Biology & Oceanography" and "International Journal of Engineering Research and Technology".

TECHNICAL PLANNING COMMITTEE ROLES FOR RESEARCH CONFERENCES

Invited as a Technical Planning committee member for the following conferences :

ICAEMAT'20, CESA'20, RES'20, SES'19 , CMST '19, ICCMREA' 17, ICARCAD '16, ICCDMTA '16 and CICN'16 .