

# SHREYA OJHA

## PhD Scholar

BTCM Division  
Department of Civil Engineering  
IIT Madras  
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## EDUCATION

- 1. PhD** [April 2021 - Present]  
Division : Building Technology and Construction Management  
Institute/University : Indian Institute of Technology, Madras  
Tentative Thesis Title : A Proposed Methodology for Energy Efficient Retrofit of Building Envelope
- 2. Master of Urban Planning** [July 2018 – July 2020]  
Institute/University : Malaviya National Institute of Technology, Jaipur  
CGPA (in a scale of 10) : **8.15**
- 3. Bachelor of Architecture** [July 2012 – July 2017]  
Institute/University : Shri Mata Vaishno Devi University, Jammu  
CGPA (in a scale of 10) : **7.71**

## RESEARCH INTERESTS

- Sustainable built environment
- Building energy performance
- Thermal comfort
- Low energy cooling and ventilation system

## RESEARCH EXPERIENCES

- Preparation of thermal comfort prescription for residential buildings in the cooling dominated regions of India
  - Research work at TERI under the guidance of Dr. Priyam Tewari (Associate Fellow, TERI); January 2021 – March 2021
- Preparation of concept note on mainstreaming use of active thermal mass systems in Indian buildings
  - Research work at TERI under the guidance of Dr. Priyam Tewari (Associate Fellow, TERI); January 2021 – February 2021
- Stakeholder perception study for assessing the impact of COVID-19 on ECBC implementation
  - Research work at TERI under the guidance of Dr. Priyam Tewari (Associate Fellow, TERI); November 2020 – December 2020
- Assessment of power demand and supply scenario in Jaipur District for Regional Development Plan 2040
  - M. Plan minor project under the guidance of Dr. Nand Kumar (Associate Professor, MNIT Jaipur); July 2019 – December 2019

## PUBLICATION

- A conference paper on "Transition from Vernacular to Modern Architecture: Gurgaon", presented in International conference on Urban Sustainability: Emerging Trends, Themes, Concepts & Practices (ICUS) 2017, held at MNIT Jaipur.

## PROFESSIONAL EXPERIENCES

- Research Intern at Sustainable Habitats Division of The Energy and Resources Institute (TERI), New Delhi (November 2020 – March 2021)
- Teaching Assistant for the course – Building Materials and Construction at MNIT, Jaipur (July 2019 – December 2019)
- Planning Intern at Town and Country Planning Organisation, Haryana (May 2019 – June 2019)
- Junior Architect at Scale Designers and Engineers Pvt. Ltd., Hyderabad (July 2017 – July 2018)
- Architectural Intern at Adlakha Associates Pvt. Ltd., New Delhi (July 2015 – December 2015)
- Structural Intern at P. C. Ragtah and Associates, New Delhi (June 2013 – July 2013)

## TRAININGS AND WORKSHOPS

- "Application of System Dynamics Modeling and Research Methodology", organized by MNIT Jaipur, October 2018.
- "Urban Traffic and Transport: Challenges and Smart Solutions", organized by Institute of Town Planners, Haryana, February 2019.
- "Application of Remote Sensing and GIS in Preparation of Master Plan and Zonal Development Plan", organized by MNIT Jaipur, October 2019.

## REFERENCES

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| <ul style="list-style-type: none"><li>• Dr. K. Ramamurthy<br/>Professor,<br/>BTCM division,<br/>Department of Civil Engineering,<br/>IIT Madras.<br/>Phone: +91-44-2257 4218<br/>E-mail: <a href="mailto:vivek@civil.iitm.ac.in">vivek@civil.iitm.ac.in</a></li></ul> | <ul style="list-style-type: none"><li>• Mr. Sanjay Seth<br/>Senior Director,<br/>Sustainable Habitats division,<br/>The Energy and Resources Institute<br/>(TERI), New Delhi.<br/>Phone: +91-11-24332660<br/>E-mail: <a href="mailto:sanjay.seth@teri.res.in">sanjay.seth@teri.res.in</a></li></ul> |
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## DECLARATION

I hereby declare that all the details furnished above are true to the best of my knowledge and belief.

Shreya Ojha