

Curriculum Vitae

Pavankumar Tadepalli | CE18S002

Master of Science (by Research)

Building Technology & Construction Management Division

Department of Civil Engineering

Indian Institute of Technology Madras

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EDUCATION

| Program | Institution | % or CGPA | Year |
|-------------|---|-----------|---------|
| M.S. (BTCM) | Indian Institute of Technology, Madras | 8.71/10 | Ongoing |
| B.Arch. | School of Planning and Architecture, Vijayawada | 75.27% | 2018 |
| XII (IPE) | Vignan Junior College, Guntur | 95.10% | 2013 |
| X (CBSE) | Kendriya Vidyalaya Ajni, Nagpur | 9.8/10 | 2011 |

Bachelor's in architecture (75.27%)

2013 – 2018

School of Planning and Architecture, Vijayawada, Andhra Pradesh, India

Nagpur Railway station redevelopment: Re-designing the Mobility Node

(GRADUATE THESIS)

Guide: Ar. Pushendra Kumar

Jan '18 - May '18

- Studied the Urban development of Nagpur railway station area and developing the Multimodal interchange for the Nagpur City: the redevelopment of the Nagpur Railway station with the integration of the new modes of transport (Like ISBT and Metro)

Reducing the Carbon footprint in Urban areas of India

(GRADUATE DISSERTATION)

Guide: Dr. Faiz Ahmed

August '16 - Nov '16

- Studied the effects of increasing carbon footprint and approaches/methods to reduce the urban footprint of urban areas, especially in the case of India.

RESEARCH INTERESTS

- Sustainable construction Technologies
- Life cycle energy of Building
- Design of Public buildings and amenities
- Modeling and optimization of construction project
- Planning and management
- Building Energy modeling

WORK EXPERIENCE

Architectural Intern /Junior Architect

Jan '17 – Jul '17

Department of Urban and Infrastructure Planning

Amaravathi Development Corporation/ APCRDA, Vijayawada, India

- Development of Canal front development of Urban Canal front in Vijayawada. (Architect: Ar. Mrinali K.)
- Design of Government housing in the capital region of AP. (Ar. Sandeep Dixit)
- Designing of Traffic isle and urban buffers in Vijayawada and Amaravathi (Ar. Mrinali K and Ar. Sandeep Dixit)
- Development of LPS town planning scheme and modelling (Er. Charan Reddy)

Architectural Intern

Summer '16

Concept Design Studio, Vijayawada, India

- Development of Plans, Estimates and handling the meetings with client.
- Design and development of the KLU Library, Guntur, India
- Design and development of Shopping Centre in Macherla, Guntur district.

Student Intern

Dec '14 – Jan '15

Studio Nexus, Vijayawada, India

- Development of Plans, Estimates and 3d Views.
- Interior Designing of cloth showroom in Vijayawada.

RESEARCH EXPERIENCE

Research Intern

Dec '15 – Jan '16

Department of Architecture and Regional planning

Indian Institute of Technology, Kharagpur, India

- Development of the plans and necessary drawings for the Research on High Rise buildings in Kolkata.
- Studying about the Space syntax analysis for the Research project.

PUBLICATIONS

Conference Publications

- Ganga Warriar, A., **Tadepalli, P.**, & Palaniappan, S. (2019). Low-cost housing in India: A review. Paper presented at the *IOP Conference Series: Earth and Environmental Science*, 294(1) doi:10.1088/1755-1315/294/1/012092

ATTENDED WORKSHOPS AND CONFERENCES

- SPARC Workshop "*Sustainability and Durability of Concrete Structures with By-products and Recycled Materials*", IIT Madras, 17-18 Jan 2020
- Building Energy Efficiency program's camp on "*Energy efficient building design*". CEPT University, Ahmedabad, Gujrat, India, 15-22 Dec 2019
- Workshop on "*Building as Ideas*" organized by Charles Correa foundation in Kala Academy, Panaji, Goa, India, 6 - 8 Sept 2018
- GIAN course on "*Rethinking architecture, energy efficiency and participation in urban development*", School of Planning and Architecture, Vijayawada, India, 13-18 Aug 2017
- GIAN course on "*Reducing Disaster Risks in Historic Urban Areas*", IIT Kharagpur, India, 20-25 Jun 2016
- Workshop on "*Earthwork resistant design practices*" conducted by National Information Centre of Earthquake Engineering (NICEE), IIT Kanpur, India, 12-19 Jun 2016.
- Workshop on "*Deep Foundation Technologies for Infrastructure Development of Andhra Pradesh*" by Indian Geotechnical Institute (IGI) Guntur Chapter and Department of Civil Engineering, Acharya Nagarjuna University, Guntur, India, 12 Mar 2016
- Annual Nasa Convention Workshop on "*Smart Cities: Theory and Application*", Veer Narmad South Gujarat University, Surat, India, 1-5 Feb 2016

AWARDS, RECOGNITIONS, COMPETITIONS

- Secured third position for "*Academics performance in Third year*", 2016 (SPAV).
- Participated in "*HUDCO Trophy*" of ANC 2016 (In Top 15 presentations in India).
- Represented in "*Capital City Monument*" Ideations competition by APCRDA, 2016
- Participated in "*Annual Nasa Design Competition*" of ANC 2015 (in top 20 presentations in India).
- Secured first position in "*Intra College Volleyball tournament*", 2014 (SPAV).

SOFT SKILLS AND SOFTWARES

- Soft skills: Problem solving, Analytical thinking, Team Player
- Cad & BIM Software: Autodesk AutoCAD, Autodesk Revit, Tremble Sketchup, Lumion, Rhino, Autodesk 3ds Max, V-Ray (Chaos)
- Project Management Software: MS-Project, Autodesk Navisworks
- Simulation Software: Resist, Ecotec, Design builder, Daysim
- General Use Software: MS office, Adobe Photoshop, Adobe Illustrator

LINGUISTICS

- English : Reading, Writing, Speaking
- Hindi : Reading, Writing, Speaking
- Telugu : Reading, Speaking
- Sanskrit : Reading, Writing