

Karthik Chadalavada

B.Arch, M.Arch (Sustainable Architecture)

Assistant Professor, Department of Architecture

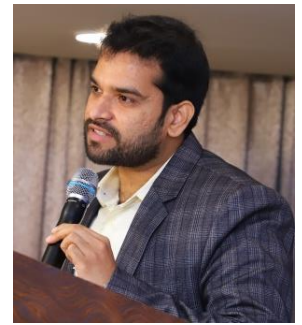
School of Planning & Architecture: Vijayawada

An Institute of National Importance, MHRD, Govt. of India
Survey No. 4/4, ITI Road, Vijayawada-520008

E-mail: Karthik.ch@spav.ac.in

Karthik.chadalavada@gmail.com

Mobile No: +91 9642970797



Vision:

To build a strong professional, academic and research domain in Sustainable Architecture so as to contribute potentially for an institutes development through understanding dynamics of the industry, and with an intent to continuously enhance my skills in giving my best to the organisation, students and to the society.

Education & Qualification:

Master of Architecture in Sustainable Architecture

School of Planning & Architecture, Vijayawada
2014- 2016

8.04 CGPA

First class with Distinction

Bachelor of Architecture

Acharya Nagarjuna University, Vijayawada
2009- 2014

65.15%

First class

Professional Experience:

Academic:

Designation	Employer's Name	Period	
		From	To
Assistant Professor (Regular), Dept. of Architecture	School of Planning & Architecture, Vijayawada (SPAV), A.P	Oct 2018	Till Date
Assistant Professor,(Ad-Hoc), Dept. of Architecture	School of Planning & Architecture, Vijayawada (SPAV), A.P	July 2016	Oct 2018

Industry:

Designation	Employer's Name	Period	
		From	To
Project Architect & Consultant to AP-CRDA & AP-UGBCL	Shilpa Architects, Himayat Nagar, Hyderabad	May 2016	July 2016
Sustainable Development Intern	Indo-Swiss BEEP (Building Energy Efficiency Project) Green Tech Knowledge Solutions Pvt.Ltd, New Delhi	May 2015	July 2015
Trainee Architect	Yagnik Architects, Indira nagar, Bangalore	Dec 2013	May 2014
Trainee Architect	VBT Consortium , Sadhasiva Nagar, Bangalore	June 2013	Dec 2013

Professional Memberships & Affiliations:

SUSTAINABILITY

S.no	Designation/Membership	Professional Board/Body
1	GRIHA CERTIFIED PROFESSIONAL (GRIHA-CP)	GRIHA- Green Rating for Integrated Habitat Assessment
2	ECBC Expert	ECBC- Energy Conservation Building Code
3	IGBC MEMBER – IM00106 (IGBC-IM)	IGBC- Indian Green Building Council

ARCHITECTURAL

S.no	Designation/Membership	Professional Board/Body
1	Registered Architect- CA/2015/67545	COA- Council of Architecture
2	Life Member & Associate – A21325	IIA- The Indian Institute of Architects

Publications:

1. *Karthik Chadalavada, K. N. (2017). Analyzing Vernacular Sustainable Design Principles- A Case Study of a Vernacular Dwelling in Godavari Region of Andhra Pradesh, India. International Journal of Emerging Trends in Science and Technology (IJETST), 04(02), 5010-5017.*
2. *Karthik Chadalavada, K. N. (2018). Assessment of Permanent Passive Stack Ventilation for Delhi Region, India. International Journal of Interdisciplinary Research and Innovations(IJIRI), 06(03), 50-59.*

Research Interests:

1. Assessment of Carbon footprint, Life Cycle assessment (LCA) , Life Cycle Costing (LCC) for different building materials in Indian Context
2. Evaluation and relevance of existing green building rating systems within Indian context
3. Tackling present day issues and limitations of established and upcoming Sustainable Design concepts and principles.
4. Integrating and enhancing Traditional and Vernacular design principles, techniques and knowledge within the contemporary building industry.

Projects/ Dissertations completed:

M.Arch (Sustainable Architecture):

1. Climate responsive & Sustainable Design of “**Centre for Primary Education**” at Vijayawada – Hot & Humid climatic zone.
2. A Cluster of **Bio-Climatic Garden Residences** at Dwaraka, Delhi – Composite Climatic zone.
3. Design of **HUDCO Office complex** (Live Project) integrating sustainable design strategies at Vijayawada – Hot & Humid climatic zone.

4. Simulation Strategies – **Design of 1 BHK Cottage through simulation-based approach in Vijayawada – Hot & Humid Climatic zone in 2015**
5. **Green Retrofitting Solutions for Hotel DV Manor** (Live Project), a 4-star Hotel in Vijayawada.
6. Thesis on “**Assessment of Carbon footprint for an Eco Sensitive resort – An approach to sustainability**”.

B.Arch:

1. Design Thesis titled **Design of 4-Star Business Hotel** at M.G Road, Vijayawada.
2. Urban Design project on **Water-front Canal Development of Ryves Canal** at Lenin centre, Vijayawada.

UG/ PG Thesis Supervised:

B.Arch:

S.no	Thesis Title	Student Name	Year
1	Energy efficient neighbourhood development for artisans of Etikoppakka	Mr. Rahul Verma	2017
2	Sensitizing Health Centres- Regional Cancer Facility, Vijayawada or Mangalore (Shortlisted for NIASA Best Thesis)	Mr. Shehbaz Shafi	2017
3	Regional Business Incubation Center- nextgen working spaces	Ms. M Sri Vyshnavi S	2017
4	An Energy Efficient Office & Research Facility, TERI Amaravati – The new capital city	Mr. Aravind J	2018
5	Integrated Urbanism – A mixed-use Residential Campus	Mr. Muthu kumar	2018
6	Eco-tourism: An Integration of Culture & Environment	Mr. Belal Neazi	2018
7	Tyagaraja Music Conservatory	Ms. Sri Vidya M	2018
8	Indian Institute of information Technology (IIIT), Lucknow	Ms. Preeti Soni	2018
9	Art & Cultural Centre, Puducherry	Mr. Nirvaan Dukpa	2019
10	Heritage Interpretation & Research Centre, Kolhapur.	Ms. Anuprita Potdar	2019
11	Recreational Centre, Case of Knowledge Park, GR. Noida	Mr. Sandeep Singh	2019

M.Arch (Sustainable Architecture):

S.no	Thesis Title	Student Name	Year
1	Net zero Incubation Centre in Warm & Humid Climate	Ar. Saleema Saleem	2019

Seminars, Workshops & Training programmes attended:

S.no	Programme	Duration/Dates	Organised by/at
1	Faculty development programme , Communicating Research and Open Access Publishing (CROP -2019)	6 day , June 17th-22nd 2019	School of Planning and Architecture, Vijayawada.
2	ECBC Expert , Comprehensive Training Program on ECBC-2017	5-day, 26th to 30th Nov, 2018	Administrative staff college of India
3	Training program for Evaluators & Certified Professionals, GRIHA V-2015, Green Rating for Integrated Habitat Assessment	3-day, 23rd to 25th Feb, 2018	GRIHA - Council at Hyderabad
4	National workshop – GIAN – 2017 Rethinking architecture, Energy efficiency and participation in Urban Development	3-day, 13th to 18th Aug, 2017	Global Initiative of Academic Networks – MHRD, GOI & Dept. of Architecture, School of Planning & Architecture, Vijayawada
5	Regional Workshop, Institutional Digital Repository (IDR-2017) , National Digital Library project	2-day, 21st to 22nd April, 2017	Sponsored by MHRD, Govt. of India. School of Planning & Architecture, Vijayawada and IIT Kharagpur
6	National Workshop, “Scholarly communication and plagiarism” (SCP-2016)	7th Nov, 2016	School of Planning & Architecture, Vijayawada
7	Second place in Amaravati Ideation Challenge in “ Exploration of designs for Capital city monument & major public space”	25th April 2016	AP-CRDA (Andhra Pradesh – Capital Region Development Authority) Vijayawada
8	Presented a paper on “Sustainable Low cost housing” at the Seminar titled: Housing Regeneration – Strengthening communities	18th Nov, 2015	World Town Planning day-2015 at School of Planning & Architecture, Vijayawada
9	National Workshop - Building Insulation materials application & testing	June, 2015	INDO SWISS - BEEP at habitat centre, Delhi
10	National conference on Scholarly communication and Intellectual property rights (SCIPR-2014)	2-day , 04th & 05th Aug, 2014	Sponsored by Dept. of Electronics and Information Technology (DEITY), Ministry of Communication & IT and Defence Research & Development organisation (DRDO), Ministry of Defence

Academic & Administrative activities at SPAV:

Designation	Role	Duration
Programme Co-ordinator - National Service Scheme (NSS Cell of SPAV)	<i>Responsible for setting and carrying out NSS Activities at SPAV Campus</i>	07th June, 2019 to till date
Faculty In-charge (FIC) - Building Material Museum	<i>Responsible for establishment & development of Building Material museum in the new SPAV campus.</i>	05th Feb, 2019 to till date
Faculty In-charge (FIC) - Building Construction Yard	<i>Responsible for establishment & development of Building Construction yard in the new SPAV campus.</i>	05th Feb, 2019 to till date
Timetable coordinator, Dept. of Architecture	<i>Responsible for preparation of Timetable & workload for all UG & PG courses in Dept. of Architecture.</i>	2017-18, 2018-19 & 2019-20
Associate Coordinator, Training & Placement Cell of SPAV	<i>Responsible for conducting Placement for Students & Alumni of SPAV</i>	01th Feb, 2019 to till date
Associate Coordinator, Consultancy Cell of SPAV	<i>Responsible for working in some of the Consultancy projects of SPAV</i>	06th Mar, 18 to 05th Mar, 19
Member, committee formed for Physical Verification of Fixed Assets	<i>Responsible for conducting Physical Verification of Fixed Assets, consumables & Library Books at SPAV</i>	2018-19
Member in the faculty committee for National Intuitional Ranking Framework	<i>Responsible for collecting Academic & Administrative information for NIRF ranking of the institution</i>	On-going
Member, Alumni Coordination Committee (Faculty)	<i>Responsible for conducting Physical Verification of Fixed Assets, consumables & Library Books at SPAV</i>	On-going
Anchor, Program & Stage Organiser – Different Events at SPAV	<i>Organised National Workshops/Seminars GIAN-2017, IDR-2017, NDL, SCOPE-2018, CROP-2019 etc.</i>	2017-19
Member, Secretary constituted by SPAV	<i>Rationalization of B.Arch. Course syllabus</i>	14th Sept, 2018
Faculty In-charge (FIC) - Climatology Laboratory	<i>Responsible for Suggestion & Tuning of Instruments; Introducing & their maintenance</i>	04th Sept, 2018 to 05th Feb, 2019
Member, Working Committee for different Events at SPAV	<i>Organised Events like INYAN 2017-18, Second & Third Convocation of SPAV etc</i>	2017-19

Workshops conducted:

S.no	Workshop Name	Description	Organised by
1	Hands-on Workshop : Staircase Design	Model making of different Staircase Designs by B.Arch IV sem Students A.Y 2018-19	Workshop under the Subject: Building Materials & Construction-IV.
2	Hands-on Workshop : Different types of Brick Bonds	Construction of Brick bonds by B.Arch I sem Students A.Y 2018-19	Organised Workshop under the part of developing Building Construction Yard.
3	Hands-on Workshop : Different types of Staircase	Model making of Staircase using different materials by B.Arch IV sem Students A.Y 2016-17	Organised Workshop under the Subject: Building Materials & Construction-IV.
4	Hands-on Workshop : Carpentry & Joinery	Construction of Wooden Doors & Windows by B.Arch III sem Students A.Y 2016-17	Organised Workshop under the Subject: Building Materials & Construction-III.

Consultancy Projects on-going / completed at SPAV:

1. **Police Martyrs Memorial**, 6th Battalion, AP Special Police, Mangalagiri, Andhra Pradesh
2. **Landscape Face lift of Mukkulapadu Village**, Nuzvid Mandal, Krishna District
3. Proposed **Office building for MUDA (Machilipatnam Urban Development Authority)**, Krishna District, A.P
4. **Beach Resort at Pulikat Lake** under APSDPS (AP State Development Planning Society)
5. **Gateway and Iconic Bridge for Amaravati** under ADC (Amaravati Development Corporation).
6. Third Party Inspection report of **Landscape Development and Beautification of road median & side spaces from Gannavaram Airport to Vaaradhi**, Vijayawada for AP-CRDA (Andhra Pradesh Capital Region Development Authority).

Co-Curricular & Extra Curricular Activities:

ACHIEVEMENT / DESIGNATION	ACTIVITY	DURATION
Vice-President, Student Council, SPAV	SPAV Student Council Elections 2014-15.	2014-15 A.Y.
Unit Secretary & convener of Zo-NASA-2011	National Association of Students of Architecture (NASA-INDIA)	2010 – 12
Interview as convener in Zonal Magazine (Z-5)	National Association of Students of Architecture (NASA-INDIA)	Oct, 2011.
Second Place, (Team-04)	Amaravati Ideation Challenge, AP-CRDA	25 th April, 2016
Host/Attended a National Workshop	World Habitat Day & Swachh Bharat Abhiyan	18 th October, 2014
Member in the Student Interaction	Interaction with Mayor James Brainard of Carmel, Indiana, US at American corner from SPAV	2015

Software Skills:

Proficient in:

- ✓ AutoCAD - 14,
- ✓ Sketch Up-pro 8,
- ✓ Ecotect Analysis-11,
- ✓ Photoshop CS-6,
- ✓ Microsoft Office-14
- ✓ Pre-DCR (E-sanction)

Beginner in:

- ✓ I.E.S – Virtual Environment
- ✓ Envi-met
- ✓ Trnsys
- ✓ Design Builder

Hobbies & Interests:

- ✓ Travelling
- ✓ Debates & Elocution
- ✓ Event Management
- ✓ Working for different NGO's
- ✓ Organising Different Awareness Camps.

Personal Info:

Name: Chadalavada. Karthik

Fathers Name: Ch. M.K.P.Chowdary

D.O.B: 30-09-1991

Nationality: Indian

Languages Known: Telugu, English & Hindi.