

Dr Anil Kumar Chilakapati

PhD (SPA Vijayawada), N Sc. Arch (Ex) San Diego-CA, USA, M. Arch (IIT-Roorkee), B. Arch.

Professor

Department of Architecture

School of Planning and Architecture (SPA) Vijayawada

(An Institute of National Importance, Ministry of Education, Govt of INDIA)



.....Concise.....

Dr Anil Kumar Chilakapati is an Architect with more than two decades of multidisciplinary (Academic, Research & Professional) experience in Architecture and Environmental Design. He has been a faculty in architecture at SPA Vijayawada since the school's inception. Dr Anil is particularly passionate about designing spatial configurations: consent to socio-spatial ecology and user-spatial interfaces. This has motivated him to 'create an architectural ideation' through the user's "sense, environment & behaviour". He specialised in designing high-rise structures, including Theatres, Malls, Software Offices, Housing, and luxury experiential interiors for stay-retreat & reviving lifestyles. Dr Anil contributes to developing concepts for real-time spatial operations (With a specific emphasis on Environmental Indicators such as "Optimization", – "Efficiency", – and "Complexity") in both Architecture and Cities by crafting algorithms of AI & ML. His current research is on the rationale explorations among the human brain and built environment, specifically emphasising "Spatial Navigation & Cognition in the Context of Architecture and Cities". He earned a Doctorate- PhD in architecture from the School of Planning and Architecture (SPA) Vijayawada with a critical research objective on the Intuitive navigation of passengers within the entrance lobby of a railway station. He completed the Summer Executive course on "Neuroscience for Architecture" in San Diego, California, USA in 2017. His research works were published in International Journals and presented at international conferences, including Harvard Medical School, Boston, University of Nevada Las Vegas (UNLV), USA, Future Cities Research forum – Stockholm and DZNE Magdeburg, Germany.

FULL NAME:	ANIL KUMAR CHILAKAPATI
PROFESSION:	Teaching, Research & Institutional Consultancy
CURRENT WORKING:	Professor of Architecture, School of Planning and Architecture (SPA) Vijayawada, (An Institute of National Importance by the Act of Parliament), Ministry of Education, Govt of INDIA.
WORKING SINCE IN SPAV:	October 23, 2009 (<i>Since Inception of the School</i>)
NATIONALITY:	BHARATH
MEMBERSHIP OF PROFESSIONAL SOCIETIES:	Council of Architecture, Indian Institute of Architects, ANFA-USA.

KEY EDUCATION QUALIFICATIONS

PROFESSIONAL EDUCATION QUALIFICATIONS EARNED

- **PhD in Architecture** from SPA Vijayawada (2023)
- **Neuroscience for Architecture** Summer Executive Certificate Course from ANFA & New School of Design & Architecture, San Diego, USA. August, 2017. – (American Institute of Architects credit course).
- **Master of Architecture (M. Arch)** from Indian Institute of Technology (IIT) Roorkee, (2002-2004)
- **Bachelor of Architecture (B. Arch)** from Jawaharlal Nehru Technological University (JNTU), Hyderabad, 1997- 2002.

EMPLOYMENT HISTORY

Duration: 23.10.2009 – till date (Near to 15.5 Years)

Employer: School of Planning and Architecture (SPA) Vijayawada
(An Institute of National Importance by the Act of Parliament) Ministry of Education, Govt of INDIA,
Correspondent Address: School of Planning and Architecture, Vijayawada. Survey No.4/4, ITI Road,
Vijayawada-520008,
Andhra Pradesh, India.
Hand Phone: +919640173953.

Position Held: Assistant Professor of Architecture (Regular Scale)

Duties: Teaching courses for both B. Arch & M. Arch (Sustainable Architecture), M. Arch (Landscape), M. Urban Design, Active investigator - DIC-SPAV, Purchase committee member, Senate Member, Nodal & Liaison Officer, FIC- Outsourcing staff and Maintenance.

Duration: (28-01-2005 to 16-10-2007) & (01-01-2009 to 22-10-2009)

Employer: Sri Venkateshwara College of Architecture,

(Affiliated to JNTU, AICTE & COA, New Delhi)

Address: Surabhi Educational Society, 86, Madhapur, Hyderabad, Andhra Pradesh, India. Phone: +91 40 23113699.

Position Held: Assistant Professor of Architecture (Sr. Regular Pay Scale by the selections of SPA, JNT University)

Duties: Teaching Students of B. Arch students, Examinations I/C, as per the instructions of the Competent Authority.

Duration: 09-08-2004 to 27-01-2005 (As an Academic Associate)

Employer: Sri Venkateshwara College of Architecture,

(Affiliated to JNTU, AICTE & COA, New Delhi)

Address: Surabhi Educational Society, 86, Madhapur, Hyderabad, Andhra Pradesh, India. Phone: +91 40 23113699.

Position Held: Academic Associate of Architecture (Ad-hoc).

Duties: Teaching Students of Bachelor of Architecture.

Duration: 17-10-2007 to 31-12-2008.

Employer: M/S Genesis Planners PVT, Ltd ,

Jubilee Hills, Hyderabad, Andhra Pradesh, India.

Position Held: Senior Design Architect.

Duties: Designing various level projects of Residential, Commercial and Entertainment spaces, High-rise and Sustainable Building Projects (IGBC / GRIHA / Green Homes).

Duration: 10-06-2003 to 02-08-2003

Employer: VISAKHAPATNAM MUNICIPAL CORPORATION,
VIZAG, Andhra Pradesh, India.

Position Held: Trainee Architect (M. Arch - Summer Program) under Shri. P. Thimma Reddy

Duties: Involved in Designing, Planning and executing the layouts & Housing projects of VMC.

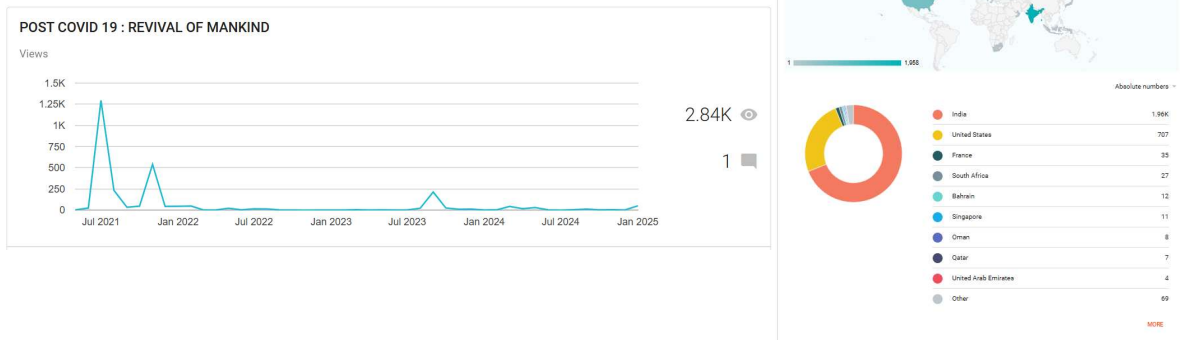
INTERNATIONAL VISIBILITY

Development of a Blog titled: Post-COVID-19: Revival of Mankind Under Social Responsibility (Not for Profit)

Dr Anil Kumar Chilakapati recognised the need for dialogue and awareness within society and the architectural fraternity to address mankind's post-pandemic revival. As part of academic assignments under the Theory of Architecture and Behavioural Architecture courses, Dr Anil Chilakapati and his students embarked on a journey to explore the intersection of architecture and societal well-being in the post-COVID era. Their initiative culminated in developing a comprehensive blog (Nearly 30 Posts) titled "Post-COVID-19: Revival of Mankind." Locate at: <https://revivalofmankindpostcovid.blogspot.com/p/introduction.html>.

Impact and Recognition Internationally:

The blog "Post-COVID-19: Revival of Mankind" garnered widespread appreciation from architecture and urban design professionals worldwide. The initiative led by Dr Anil Kumar Chilakapati exemplifies the transformative potential of academia in addressing real-world challenges and shaping a more sustainable and resilient built environment.



By advocating for proactive design interventions and promoting holistic approaches to urban development, the initiative offers valuable insights and inspiration for architects, designers, policymakers, and stakeholders worldwide as they navigate the complexities of a post-COVID world.

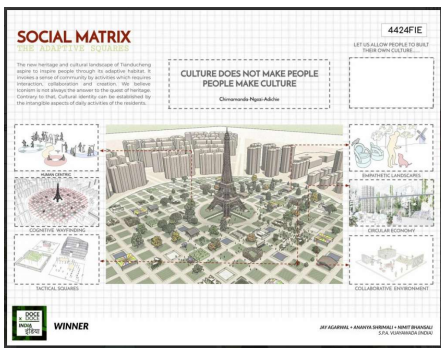
International Executive Course on "Neuroscience for Architecture."

Selected one among the 25 global seats through SOP and Actively Participated in the Summer Executive Course "Neuroscience for Architecture" under the mentorship of Ar. Juhani Pallasma & Ar. Steven Holl at Salk Institute & NSAD, San Diego, California, USA, in 2017. Locate the training session at the YouTube link: <https://www.youtube.com/watch?v=zczny-7IEyo>

The course is one of its kind in international academia, shaping built environments with a blend of architecture, urban design, neuroscience, spatial cognition, Environmental Psychology, Artificial Intelligence, and aligned clusters.



Won the 1st Prize in the International Architecture Design competition DOCE X DOCE -2020, under the mentorship and guiding the students by Dr. Anil Kumar Chilakapati. Locate at: <https://www.docexdoce.org/past-editions-2020-india>.



AWARDED LIST

There are 3 winners, 8 honourable mentions and 30 finalists. Please note that the given information has been listed in a random order, making the specific award equal to all the selected proposals.

3 WINNERS

Winner 1/3

Team code:
Project title:
University (Country):
Team members:

4424FIE
SOCIAL MATRIX - THE ADAPTIVE SQUARES
S.P.A. Vijayawada (INDIA)
Jay Agarwal + Ananya Shrimali + Nimit Bhansali

The jury highlighted the human scale of this proposal, giving each individual the freedom to create their own sense of community seems like a feasible approach to the current inactivity in Tianchiang. Its simple but effective grid system seems like a first step to make the public interact with the space, it could be interesting to look into further alternatives of the land partition and its relationship between the tactical squares.

International Conferences were attended in person with the CPDA funds by the Ministry of Education, Govt of India.

- Research Paper titled “Anatomy of Tribal Architecture of Araku Valley” was presented at the International Conference, IJAS (International Journal of Arts and Science) at the University of Nevada, Las Vegas, USA, (13- 15) March 2012.
- Research Paper titled “Creating awareness of an evidence-based approach to humanistic transit spaces,” International Conference for Social Sciences and Humanities at Harvard Medical School, Boston, Massachusetts, USA, (26-30) May 2015.
- Research Titled, “The Influence of Entrance Lobby Space on Passengers’ Anticipation Behaviour” at 4th iSCAN Symposium, a premier scientific conference on spatial navigation in aging and neurodegeneration (4-6) December 2023 at DZNE Magdeburg, Germany.
- Invited as an honoured participant at the third Future of Places conference, organized in Stockholm, Sweden (29th of June-1st of July) 2015.

EXPOSURE TO INTERNATIONAL UNIVERSITY PEDAGOGIES

Harvard – GSD,
MIT at Boston
UNLV, Las Vegas
Berlin School of Arts
Salk Institute- San Diego,
Newschool of Design & Architecture, San Diego
Prof. Thomas Wolbers' Lab in Germany

LEADERSHIP POTENTIAL & TEAM FOCUS

DIC- Coordinator
Conducted National & International Workshops
Community participation in Design Studios
Conducted & Coordinated Student awards ceremonies such as Kajarja Meritorious, National Awards, and Design Awards.

LIST OF PUBLICATIONS

Preprints:

- Dr. Anil Kumar Chilakapati¹, Mr. Tarachand Yadav² (2024). Data-driven Analysis and Certainty Modelling for Passengers' Intuitive Navigation within the Entrance Lobby of a Railway Station: HF-24 8953. (Open Access: https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4910149)
- Dr. Anil Kumar Chilakapati (2024). Elicitation Passenger's Anticipation Behaviour while Navigating within the Entrance Lobby of a Railway Station: HF-24 8954. (Open Access: https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4910150)
- Dr Anil Kumar Chilakapati; Srikonda, Ramesh; Kasinath, Iyer Vijayalaxmi (2024). Commuter Intuitive Navigation Perspectives in Indoor Environments: Theorization and Conceptualization: HF-24-9030.
- Dr. Anil Kumar Chilakapati (2024). Perspectives on Architectural Design Education: A Crucial Exploration of Student Opinions and Critical Insights, Educational Administration: Theory and Practice (E ISSN: 2148-2403, P-ISSN: 1300-4832) – Scopus Indexed – **Accepted**.

Published:

- Mr. Anil Kumar Chilakapati, Prof. Dr. Ramesh Srikonda, Prof. Dr. Vijayalakshmi Iyer (2022). Impact of the centrality for public spaces: A case of Railway Station, "Journal of Advanced Education and Sciences, 2022; 2(4);99-108, ISSN NO: 2583-2360
- Mr. Anil Kumar Chilakapati, Prof. Dr. Ramesh Srikonda, Prof. Dr. Vijayalakshmi Iyer (2022). Appreciation of Passenger's Intuitive Navigation In 'Ticketing Cum Entrance Lobby' Of Railway Station – A Case Study of Vijayawada Railway Junction, India, eISSN 1303-5150, NeuroQuantology 2022; 20(10): 4526-4545
- Anil Kumar Chilakapati, Kavita Daryani Rao, Ayon Kumar Tarafdar and Uma Sankar Basina (2015). Creating Awareness of an Evidence-Based Approach to Humanistic-Transit Spaces. International Journal of Humanities and Social Sciences Review, ISSN: 2165-6258 :: 04(02):335–344 (2015).
- Aditya Mahajan, Anil Kumar Chilakapati (2022). BIM Based Inventory Management in Construction of Residential Highrise Building in India. ISSN: 2249-6203 (P) Vol.11 No.2, 2022, The Asian Review of Civil Engineering. pp.35-40.
- Aditya Mahajan, Anil Kumar Chilakapati (2023). A Review of BIM based Inventory Management Workflow and Techniques. ISSN: 2249-6203 (P) Vol.12 No.1, 2023, The Asian Review of Civil Engineering. , pp.18-23.
- Anil Kumar Chilakapati (2012). "Sustainable Villages: Anatomy of Tribal Vernacular

Architecture” was published in the International Journal of Global Intelligence & Policy – JGIP, ISSN: 1942-8189 (Print). – (P132-P141) Volume 5, Issue 8.

- Anil Kumar Chilakapati (2012). “Anatomy of Tribal Architecture of Araku Valley” was published in International Journal of Arts and Sciences (IJAS) –ISSN: 1943-6114 (Print). – (143P- 151P) Volume 5, Issue 4.

BOOKS & WORKING PAPERS

Published Books

- Biomorphic Plug-In LAP Model for Sustainable Cities – A Case of Indore by Copal Publishing Group, 2025, ISBN: 978-81-97419-42-3

Working Papers

- Perspectives on Architectural Design Education
- Socio-Economic Impacts of Tourism on Heritage Sites
- Certainty modelling for Intuitive navigation
- Neural Networks for built environments

Working Books

- Intra-Morphogenesis urban design model for temple city – A case of Tiruchirappalli, India.
- amaravathi notions....
- Doors of Change: Architecture in the Wake of Pandemic'19 (Under Compiling)
- Empathy of Space: Teasing-Scapes

OTHER TRAINING / WORKSHOPS / SEMINARS ATTENDED

- “Human Factors in Software Design”: FDP Program of ATAL Academy, (21-25) June, 2021, IIT Kanchipuram.
- "Neuroscience for Architecture" Summer Executive Certificate Course from Newschool of Architecture & Design, San Diego, USA. August, 2017. - American Institute of Architects credit course.
- 6th Conference of APMCHUD during 14-16 November 2016 at New Delhi.
- 3rd BRICS Urbanisation Forum 2016, 14-16 September 2016 at Visakhapatnam.
- ETC VISION'16: Eye tracking and computer vision workshop at Amrita School of Engineering, Bangalore during (18-20) August 2016.
- Training of Teachers (TOT) on “BUILDING PHYSICS AND ENERGY SIMULATION” by USAID ECO -III Project, VUT- Austria, BEE, Ministry of Power, Government of India at BITS-Ranchi 2011. (Entire Program including travel and stay has been supported by USAID ECO-III Project with Ministry of Power, Government of India).
- “NATIONAL LEVEL WORKSHOP ON METHODS OF IMPROVING TEACHING SKILLS” by NAAC, 2006, G. Pulla Reddy Engineering College, Kurnool, Andhra Pradesh, India.
- Training of Teachers (TOT) on “NATIONAL LEVEL TRAINING PROGRAMME FOR CAPACITY BUILDING OF ARCHITECTS IN EARTHQUAKE RISK MANAGEMENT” (NPCBAERM) 2005, at School of Planning and Architecture, JNTU, Hyderabad 2005 by Ministry of Home Affairs, National Disaster Management Division, and Government of India.

SPECIAL /GUEST/ INVITED LECTURES / WORKSHOPS CONDUCTED

- Expert talk on “Cognitive and Empathy in Built Environments” during the five-day online Faculty Development Program (FDP) on “Urban India 2047: Shaping the Future of Indian Cities” organized by COA TRC, Pune in collaboration with SJB School of Architecture and Planning, Bengaluru from 19th June – 23rd June 2023.
- Expert Lecture and training on “Pedagogical Techniques to facilitate students' Engagement in the Inter disciplinary Perspective” for National-level faculty development program at JBR

School of Architecture, Hyderabad, India.

- Invited Lecture was given on "Spatial Dynamics & Evidence base: as Design perception and evaluation methods" at STTP, Department of Architecture, VNIT, Nagpur on 10 June 2017.
- Special lecture on "SPACE & ITS EXPERIENCES" given at School of Architecture and Planning", Hyderabad.
- Space – Placemaking: 2 days National Workshop on the theme " Design Concern", April 2016
- 1 Day National Workshop on "Reading an Urban Environment" for B. Arch - Urban Design Studio
- 2 days National Workshop on " The Folk Cosmos: Art Craft and Architecture" Under DIC (Design and Innovation Center, MoE, Govt of India) during 4-5 November 2016. For more details, visit: www.dicspav.com

RESEARCH STATEMENT

Dr Anil Kumar Chilakapati is an architect and researcher passionate about creating spaces that blend seamlessly with the social and environmental context while prioritising user experience. Dr Anil's journey in architectural research led to completing his PhD at the School of Planning and Architecture (SPA) Vijayawada, where focused on how people navigate through railway station lobby spaces. His international training has helped him understand how cognitive processes influence people's perception of their surroundings.

His research will explore:

- Understanding the built environment's impact on human cognition and behaviours
- Integrating neuroscience into architecture to create responsive urban environments.
- Improving transit experiences through architectural design.
- Using empirical research to inform design decisions by incorporating AI and ML.
- Investigating the emotional and social aspects of the design process.
- Studying vernacular architecture and its anatomy to inspire sustainable contemporary designs.

He aims to bridge the gap between academic research and professional design, ensuring that it enhances people's lives and well-being. He is committed to collaboration and embracing diverse perspectives to advance our understanding of how architecture impacts human experience.

RESEARCH IMPACT

Through research illustrations, Dr. Anil provides tangible examples of how architectural theories can be applied in professional practice. Moreover, his studio assignments for undergraduate and post-graduate programs are research-intensive, allowing students to delve deeply into architectural concepts and methodologies. Dr. Anil's involvement in professional projects across different scales, including interiors, institutional buildings, corporate offices, and residential communities, showcases his research philosophy. He is committed to sharing research-driven insights upon request.

TEACHING STATEMENT

As an accomplished architect with a profound passion for designing spatial configurations, he is deeply committed to imparting knowledge and expertise to aspiring architects. His teaching philosophy is understanding the intricate relationship between architecture, socio-spatial ecology, and user-spatial interfaces. He believes fostering an awareness of this dynamic interplay is essential for creating meaningful and sustainable architectural & urban solutions.

RESEARCH & DESIGN AREAS OF INTEREST

- Place cells & Navigation;
- Cognitive - Neuro responsive Architecture and Cities;
- AI, ML and Data Science for Architecture and Urban Design;
- Evidence-based design;
- Design Process and concern;
- Vernacular Architecture and its Anatomy.

INSTITUTIONAL CONSULTANCY (FEW): AS A LEAD DESIGNER & ARCHITECT

- Akhand Kailash – Srisailem: APTDC Project – Submitted Proposal along with complete DPR – 115Cr – Submitted
- Polavaram R&R (Yetipaka –Tribal Rehabilitation Housing), Govt of Andhra Pradesh -1800 Cr. (Approx) – Conceptual Master Plan Submitted.
- Penchalakona: Devasthanam Master Plan for One Lakh Pilgrimage's Carrying Capacity (With Eco-Sustainable Model with Comprehensive Report – Submitted)
- Vontimitta – Seetha Ramulavari Devasthanam – Kadapa Comprehensive Master Plan – Under Progress.

DESIGN ADVISING

South Central Railway: (Under Amrit Bharat Station Scheme)
Uplifting the Railway Stations: Kurnool City, Dharmabad & Urmi
Universal Access Design Guidelines for South Central Railway Stations (MOU is underway)
Frequent Design / Development Policy Advisor for local Builders, Developers and Govt Officials in Andhra Pradesh, Telangana States.

FEW ESSENCES

PhD Supervision: 02 Ongoing
PhD Examiner: 01 Reviewing Stage
PG Thesis Guided: 23
UG Thesis Guided: 49
Labs Initiated: 01 - Climatology
Labs under establishment: 02 – ECL (Environmental Cognition Lab) + Space AI Lab
Courses Under Initiating: 01 (M. Arch in Artificial Intelligence for Urban Architecture Data Science & Design)
International Journal Reviewer (Including Scopus Index): 02 Journals (Currently)
Employment Examination Evaluator: 02 times IIT-Roorkee (Group-B Positions)
JEE-MAINS (NTA) Exam: Paper Setter & Evaluator Since 5 Years.
Member, Board of Studies – Andhra University, College of Engineering.
International Journal Editor: 02 Journals (Currently)
Patents: 01 (Smart e-dust bin for hotel food waste, Application number: 202041050324)
Cultural Diversity Exposure by Visiting Countries: 07 – (USA, China, Sweden, Germany, Poland, UAE, Thailand)

CONTACT INFORMATION

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anilkumarchilakapati@gmail.com
Website: www.spav.ac.in
<https://www.linkedin.com/in/anil-kumar-chilakapati-ph-d-02219176/>

Dr Anil Kumar Chilakapati
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