



# Dr. Faiz Ahmed C

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**Personal Summary** Researcher and built-environment analyst: understanding the complexity of cities through advanced computer generated city models with a focus on urban climate is the essence of my research work, which includes understanding of cities for its energy efficiency and sustainability.

**Area of Research** **Digital Urbanism / Building Energy Modeling /Sustainable Habitat**

**Academics**

<b>Doctor of Philosophy (PhD)</b> .....	<b>2012 - 2015</b>
Anna University, School of Architecture and Planning, Chennai, India	
<b>Masters in Planning (M. Plan)</b> .....	<b>2009 - 2012</b>
Anna University, School of Architecture and Planning, Chennai, India	
<b>Masters of Science (MS)</b> .....	<b>2010 - 2011</b>
University Francois Rabelais, Tours, France	
<b>Bachelor of Architecture (B. Arch)</b> .....	<b>2004 - 2009</b>
Anna University, MEASI Academy of Architecture, Chennai, India	

<b>Areas of Expertise</b>	Visualization	Thermal Comfort	Built-environment modeling
	Geo-spatial analyst	Urban climate	Urban energy modeling

**Career History**

<b>Assistant Professor</b> .....	<b>Since October, 12 2018</b>
School of Planning and Architecture, Vijayawada, India (An Institute of National importance under Ministry of Human Resource Development, Govt. of India)	
<b>Assistant Professor (Ad-hoc)</b> .....	<b>01/09/2014 – 11/10/2018</b>
School of Planning and Architecture, Vijayawada, India (An Institute of National importance under Ministry of Human Resource Development, Govt. of India)	
<b>PhD Research Scholar</b> .....	<b>2012- 2014</b>
School of Architecture and Planning, Anna University, Chennai. Junior Research Fellow (JRF), UGC, New Delhi India	
<b>Co-founder at Formation Studio</b> .....	<b>Since September 2010</b>
Freelance Architectural services	

**Additional Responsibility** Associate Dean (Research) – School of Planning and Architecture, Vijayawada, Since July 24, 2020.

Faculty In-Charge – Research, Collaboration & IPR – School of Planning and Architecture, Vijayawada, January 1, 2019 – July 23, 2020.

Research Assistance to Director – School of Planning and Architecture, Vijayawada on ‘Institutional Research and Consultancy work’ –Feb-2017 – December 31, 2018

Member – Design and Innovation Centre (DIC), SPA Vijayawada – July 2017 – Till Date

Member – Incubation Centre, SPA Vijayawada

Editorial Team – International Journal of Planning and Architectural Science (IJPAS), SPA Vijayawada – Since, July 2017

M. Arch (Sustainable Architecture) – PG Program Coordinator Department of Architecture, School of Planning and Architecture, Vijayawada –July 2016 – May 2018 and August 2020 – till date

**Ongoing Research and Consultancy Work**

**1. Building Urban Resilient Communities (BReUCom): Member**

European Union Research project “Building Resilient Urban Communities” (BReUCom)-International Capacity Building in the field of Higher Education (CBHE), for the period of three years (i.e.,15/01/2019 to 14/01/2023), funded by the Erasmus+ Programme of the European Union. (Rs.1 Crore plus)

**2. Design Innovation Centre (DIC) – Member**

An initiative of MHRD Government of India. Under DIC Projects at SPA Vijayawada:

**(i). Umbrella House:** A Temporary Housing Solution in the form of umbrella house is being developed

**(ii). Self-inking Kalamkari Block:** Based on the case study visits for documenting the local art, craft and architecture (places in and around Vijayawada), a prominent environmental issue related to the use of ink in Kalamkari work was evident, a new self-inking kalamkari block is being designed and developed. (Rs.1 Crore plus)

**3. Unnat Bharat Abhiyan – Member**

SPA Vijayawada have adopted five villages under the UBA scheme, and first phase of the project i.e. preparation of Development Plan for adopted villages are completed.

**4. Preparation of Andhra Pradesh Town and Country Planning Act 2020 – Member**

A consultancy Project “Revision of Andhra Pradesh Town and Country Planning Act, 1920”, for Directorate of Town & Country Planning, Government of Andhra Pradesh. (Rs. 55.0 lakhs)

**Journal  
Publications**

Chitra, B., Jain, M., & **Chundeli, F.** (2020). Understanding the soundscape environment of an urban park through landscape elements, *Journal of Environmental Technology & Innovation*, Volume19, 2020,100998.

Chitra, B., Jain, M., & **Chundeli, F.** (2020). Investigating the Sound Frequency Spectrum of a Park with Landscape. *International Journal of Advanced Science and Technology*, Vol. 29, No.(12s), 2297-2308.

Chitra, B., Jain, M., & **Chundeli, F.** (2020). Impact of Landscape Elements in the Selected Soundscape of Urban Parks. *International Journal of Recent Technology and Engineering*, Volume-8 (Issue-6), 1507-1511.

Deevi, B., **Ahmed, F.C.**, (2020). Quantitative Outdoor Thermal comfort assessment of street: A case in warm and humid climate. *Urban Climate* (Under Revision).

**Chundeli, F.** et. al. (2020). Thermal Performance of Low-Income Dwelling Units in Warm-Humid Climate, Vijayawada City, Andhra Pradesh India. *Energy and Building* (Under Review).

**Chundeli, F.** et. al. (2020). Thermal Performance of Low-Income Dwelling Units in Warm-Humid Climate, Vijayawada City, Andhra Pradesh India. *Energy and Building* (Under Review).

Roy, A., Ramamurthy, A., & **Chundeli, F.** (2020) Green and Blue Infrastructure (GBI) for Climate Responsive Planning- A Case of Navi Mumbai City, India. *Sustainable Cities and Society* (Under Review)

**Ahmed, C.F.**, Ramamurthy, A., Jain, M. (2020). Scientific Assessment of Blue and Green Mitigating UHI at Embryonic Stages of Planning and Design - Amaravati, Andhra Pradesh, India. *International Journal of Environment and Sustainable Development*. (Under Review: Submission ID: ijesd\_261913 submission)

**Ahmed, F.**, & Kranthi, N. (2018). Flood Vulnerability Assessment using Geospatial Techniques: Chennai, India. *Indian Journal of Science and Technology*, 11(6), 1-13. <http://dx.doi.org/10.17485/ijst/2018/v11i6/110831>

Kamble, M. A., & **Ahmed, F.C.**, (2016). Visualizing the Structuring Principles of Sacred Urban Space – Ambala Tank, Ramtek. *International Journal of Engineering Research & Technology*, 5(12), 398-401

**Ahmed, F. C.**, & Sekar, S. P. (2015). Using Three-Dimensional Volumetric Analysis in Everyday Urban Planning Processes. *Applied Spatial Analysis and Policy*, 8(4), 393-408.

**Ahmed, C. F.**, & Sekar, S. P. (2013). The Art of Place-Making with Intangible Indicators - A Case Study - Tours, France. *European Journal of Scientific Research*, 96(3), 334-347.

**National Journal:**

**Ahmed, F. C., & Sekar, S.P.** (2015). 3D Volumetric Analysis in Urban Planning. Institute of Town Planners, India, 49-64.

Aslam, A., & **Ahmed, F.** (2015, May). Terrace Alive'15-Pendulum Farm. Indian Architect & Builder, 60-63.

**Book Chapters**

**Ahmed, F. C., & Visakha, L.** (2019). Operational Mitigation – Transient Housing: the case of Jammu, India. In J. Morato, & N. T. et.al, Urban resilience for risk and adaptation governance. **Dordrecht: Springer – (Chapter 15), 281-284**

Ahmed, F. C., & Pal, R. (2018). Bhunga: Earthquake Resilient Houses, Bhuj, Gujarat. Contribution of Intangible Cultural Heritage and Traditional Knowledge to Urban Resilience. **Dordrecht: Springer -Paper Accepted with minor revisions**

**Ahmed, C.** (2017). Smart Geo-Spatial Analytical Tool for Urban Development and Management. Proceedings Of The Special Collection On e-government Innovations In India - ICEGOV '17, 76-81. <http://dx.doi.org/10.1145/3055219.3055238>

**Ahmed, F.C.,** (2010). Global House - Residential Neighbourhood. Archiving '09 - Awards for excellence in Architectural Thesis - '09, 149-150. Pune: National Institute for Advanced Studies in Architecture (NIASA).

**Conference Papers**

**International Conference:**

Chitra, B., Jain, M., & **Chundeli, F.** (2020). Understanding the city park soundscape through ISO/TS 129132:2018 sound walk (method B) in association with landscape elements, INTERNOISE 2020.

Chitra, B., Jain, M., & **Ahmed, F.** (2019). Impact of Landscape Elements in selected soundscape of an Urban Park - A Case of Semmozhi Poonga, Chennai. The International Conference on Future Cities-2019. IIT Roorkee, December 11-13, 2019.

Pal, R. & **Ahmed, F. C.,** (2019). Assessing Neighbourhood Energy Efficiency Performance through Urban and Building Physics Parameters. The International Conference on Future Cities-2019. IIT Roorkee, December 11-13, 2019.

**Ahmed, C.F.,** Ramamurthy, A., Jain, M. (2019). Scientific Assessment of Blue and Green in Improving Micro-Climate for Sustainable Built Environment in Capital City of Amaravati, Andhra Pradesh, India', International Conference on Sustainable Environment & Energy, ICSEE 2019 held at Hindustan Institute of Technology and Science, Padur, Chennai -603103, 21– 22, February 2019.

Chitra, B., Jain, M., & **Ahmed, F.** (2018). Analyzing the Soundscape of an Urban Park: A Case of Semmozhi Poonga. ASME 2018 Noise Control And Acoustics Division Session Presented At INTERNOISE 2018. doi: 10.1115/ncad2018-6137

**Ahmed, F. C., & Pal, R.** (2018). A Methodology for Neighbourhood Energy Efficiency Assessment- A Case of New capital city – Amaravati, AP India. Proceeding of the 14<sup>th</sup> International Asian Urbanization Conference – AUC-2018.

**Ahmed, C. F.**, (2017). Using 3D GIS as a Decision Support Tool in Urban Planning. Proceedings Of The 10Th International Conference On Theory And Practice Of Electronic Governance - ICEGOV '17, 401-404 <http://dx.doi.org/10.1145/3047273.3047360>

**Ahmed, C. F.**, & Sekar, S. P. (2013). Three-dimensional (3D) volumetric analysis as a tool for urban planning: a case study of Chennai. WIT Transactions on Ecology and The Environment (pp. (1) 731-742). Southampton, UK: WIT Press. (03-05 December, 2013)

**National Conference:**

Majumder, S., **Ahmed, F.**, & Saha, V. (2015). Rising Material Consumption and its effect on Environment - A review of food consumption pattern. Proceedings of National Conference on Recent Innovations in Science Engineering and Technology (pp. 40-43). Chennai: ITR. (ISBN: 978-93-85465-85-7) (23rd August 2015).

**Ahmed, F. C.**, & et.al (2011). BUS only LANES for Chennai. India Urban Conference - National competition – San-Kranti student Challenge. Mysore.

**On-going PhD supervision**

1. Mitigation of Adverse impacts of Built intervention on wetlands – Mrs. N Keerthi Naidu B. Dept. Architecture, SPA Vijayawada – Main Supervisor

2. Influence of landscape elements on sound scapes of urban parks – Mrs. Banu Chitra Mookiah - Banu Chitra Mookiah - Dept. Architecture, SPA Vijayawada – **Joint Supervisor – Synopsis submitted on July 09, 2020.**

**Training Program/ Workshop Conducted**

F.I.P. COA - Teaching and Learning Process in Architectural Education” - Research Based Design at Vaishnavi School of Architecture and Planning, Vijayawada under COA-TRC. March 1, 2017

International workshop on Urban Modeling - using ArcGIS, at School of Design and Architecture, Manipal University, Dubai Campus 20-24 April, 2015

Civil Participation & Community Development (CPCD 2013) – (Co-coordinator Associate) – organized by T. & Associates Inc. Japan and School of Architecture and Planning, Anna University, Chennai 13-18 November, 2015

**Seminar Paper Presented**

**Ahmed, F. C.**, (2015). Estimating the value of Green Spaces in Housing Regeneration Initiatives using integrated City model with Hedonic Pricing Method. World Town Planning Day. Vijayawada.

**Ahmed, F. C.**, (2014). Street Food and Urban Food Security. International Seminar Shaping our Cities for Smart, Inclusive and Sustainable Future. Vijayawada.

**Ahmed, F. C.**, (2013). The art of place-making + 3D cities. World Habitat Day. Department of Architecture, Meenatchi College of Engineering, Chennai.

**Ahmed, F. C.**, (2013). The art of place making. Green Cities. School of Architecture and Planning, Anna University, Chennai.

**Ahmed, F. C.**, (2012). Smart communities in cities. World Town Planning Day. School of Architecture and Planning, Anna university, Chennai.

**Ahmed, F. C.**, (2011). Managing Public Spaces. World Town Planning Day. School of Architecture and Planning, Anna university, Chennai.

<b>Professional Training Received</b>	GRIHA: Green rating for Integrated Habitat Assessment – New Delhi	15-17 February 2016
	ERDAS Imagine & Imagine Photogrammetry 2015 - School of Planning and Architecture, Vijayawada	1 & 8 April 2015
	Springer Roadshow- e-Resources from the Researcher and End-user perspective & its benefits – Springer	02, September, 2013
	Making Green Cities: A way for sustainable urban development - School of Architecture and Planning, Anna University, Chennai	22, March 2013
	How to do a good PhD Thesis – Conducted by Dr. N. Sundararajan - Centre for international affairs, Anna University, Chennai	03-05, December 2012
	Tools and Techniques of Plan Preparation and Plan Implementation - Center for Urban Studies, IIPA, New Delhi	24-28, September 2012
<b>Conferences/ Workshops attended</b>	Participated in two-day Local Dissemination Workshop (LDW) II - BINUCOM between 26 and 27 September 2019, held at SPA Vijayawada	26-27 September 2019
	Participated in Project Steering Committee Meeting and Symposium on Climate Change Adaptation in Krems, Austria during 28-30 August, 2019	28-30 August 2019
	Faculty Development Programme (FDP) on Communicating Research and Open-access Publishing (CROP-2019). June 17-22, 2019, at SPA Vijayawada.	17-22, June 2019
	Building Inclusive Urban Communities (BINUCOM) National Conference, February 6-8 2019 at SPA Vijayawada.	6-8, February 2019
	Building Resilient Urban Communities (BReUCom) – European Union – Research Project – Kick-off meeting, February, 11-15, 2019 at SPA Vijayawada.	11-15, February 2019
	Participated in Scholarly Communication, Open-access Publishing and Ethics” (SCOPE-2018), during October 25-26, 2018, at SPA Vijayawada	25-26, October 2018
	Represented DIC – SPA Vijayawada at DIC Meet-up 2018 SPA Delhi.	24 February 2018
	Represented DIC – SPA Vijayawada at All India DIC Meet-up 2018 at BHU-IIT Varanasi	10-11 February 2018
	Institutional Digital Repository (IDR-2017) regional workshop, SPA Vijayawada	21-22 April 2017

10th International Conference on Theory and Practice of Electronic Governance (ICEGOV) "Building Knowledge Societies – From Digital Government to Digital Empowerment", New Delhi, India	7 - 9 March 2017
Scholarly communication and plagiarism ( SC-2016), SPA Vijayawada	07 – November 2016
GRIHA summit 2016, New Delhi	18-19 February 2016
Housing Regeneration: Strengthening communities - School of Planning and Architecture, Vijayawada	18, November 2015
National Conference on Environment Natural Science (NCENS - Chennai) - IRAJ Research Forum & Institute of Research and Journals	23, August 2015
Technology Exhibition - Centre for Technology Development and Transfer, Anna University, Chennai	13-14 May 2013
How to write for and get published in Scientific Journals and Publish Manuscripts - Springer & Edazn	29, January 2013
International workshop on Renewable Energy, Climate Change & Energy Management (RECCEM -2013) - Anna University, Chennai	24-25, January 2013
"Just City" Susan Feinstein Feb 2011 - ASAP Symposium Amsterdam	14- 18 February 2011

**Freelance Architectural consultancy Projects**

Residential Project – Rafeeque Residence, Pernambut	2011-2014 Completed
Residential Project – Zubair Residence, Pernambut	2011-2014 Completed
Residential Project – Hafeez Residence, Pernambut	2014-16 On-going
Residential Project – Azeez Residence, Pernambut	2014-16 On-going
Public building – Mosque, Pernambut	2015-16 On-going
Commercial Project – Convention Hall, Pernambut	2016-17 On-going

**Fellowship/ Membership**

1. Council of Architecture (CA/2010/49132)	Life Time Member
2. RESURBE Global Research program on Urban Resilience	Member

**Key Skills and Competencies**

AutoCAD	3DS MAX	Photoshop	ArcGIS	SPSS
Ecotect	eQuest	TRNSYS (Basics)	ENVI-met (Basics)	IES-VE (Basics)

<b>Felicitation/ Fellowships/ Awards</b>	<b>Felicitation</b> Felicitated for outstanding academic achievement by - Talent Identification and Empowerment Trust (TIET), Pernambut	6 February 2016
	<b>Fellowships</b> Maulana Azad National Fellowship for doing PhD - University Grants Commission, New Delhi, India	2012-14
	Scholarship – One year research Masters in Urban and Regional Planning (MURP), at University Francois Rabelais, Tours, France - Region Centre –France	2010-11
	<b>Awards</b> Citation Award - ‘Terrace Alive’15-Pendulum Farm’ - Indian Architects & Builders	2015
	Essay Competition winner (Second Prize) – International Seminar, World Town Planning Day - School of Planning and Architecture, Vijayawada	2014
	Competition Winner (First Prize) – ‘Inclusive cities – Accessibility and Universal Design’ – IC-AUD 2011 - SAP Chennai & CBM Bangalore	2011
	‘Amongst the Top 20’ – Sankranti – a National Students Challenge on India’s Urbanization Issues - Indian Institute for Human Settlements (IHS)	2011
	‘Consolation Prize’ – for poster competition – ‘how do you manage community open space’ - SAP Chennai & CMDA	2011
	Award of excellence in Architectural Thesis - National Institute of Advanced Studies in Architecture (NIASA)	2009
	Creditable performance – Essay competition’ - Institute of Town Planners, India (Tamil Nadu regional chapter, Chennai)	2009
	Certificate of Appreciation for performance made in Higher Secondary Examination (School Topper) - Rotary Club of Pernambut	2003
<b>Countries Visited</b>	France                      UK                      Italy                      Netherlands                      Spain	
	Portugal                      Dubai                      Singapore                      Malaysia                      Austria	
<b>Academic Outreach</b>	1. Member of RESURBE Global Research Program on Urban Resilience - an Interdisciplinary and International platform 2. Working committee member, in “Talent Identification and Empowerment Trust (TIET)”, Pernambut, Vellore District, Tamil Nadu, India. TIET works with students of Higher Secondary School, on Motivation, Career Guidance etc.	
<b>Personal Details</b>	Date of Birth: 03/05/1985	Marital status: Married

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