

## **CURRICULUM VITAE**

### **Dr. ADINARAYANANE R**

Ph.D., M.Tech., I.I.T-Roorkee, B.E., Civil Engineering,  
Dean (Planning & Development) and Associate Professor,  
School of Planning and Architecture Vijayawada,  
An Institute of National importance, Ministry of Education,  
Government of India, Vijayawada-520008, Andhra Pradesh.  
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### **PERSONAL DETAILS**

Name : Dr. Adinarayanane R  
Father's Name : M. P. Ramamurthy  
Mother's Name : Rajeshwari (Late)  
Nationality : Indian  
Date of Birth : September 01, 1969  
Designation & Address : Associate Professor,  
Department of Planning,  
School of Planning and Architecture Vijayawada  
Andhra Pradesh-520008, India  
Present/ Mailing Address : Survey No.4/4, ITI Road,  
Department of Planning,  
School of Planning and Architecture Vijayawada  
Andhra Pradesh-520008, India  
Permanent Address : Door No.06, First Cross Street,  
Annamalai Nagar, Vallalar Salai, Saram,  
Pondicherry-605 013, India  
Marital Status : Married  
Hobbies : Reading and listening to music.

### **QUALIFICATIONS:**

<b>S.No</b>	<b>Qualification</b>	<b>Year</b>	<b>Board/University</b>	<b>Division</b>
1	Ph.D. in Urban Studies and Planning (Full Time)	2011 to 2017	School of Architecture and Planning, Anna University, Chennai, India	First Division
2	M.Tech - Urban and Rural Planning (Full Time)	2008 to 2010	Indian Institute of Technology- Roorkee, India	First Division-Distinction
3	Bachelor of Civil Engineering	1996 to 1999	Annamalai University-Tamil Nadu, India	First Division
4	Diploma in Civil Engineering	1985 to 1988	Tamil Nadu Technical Board, Pondicherry, India	First Division

## RESEARCH INTERESTS:

Urban Planning, Regional Dynamics, Sustainable Urban Development, Infrastructure Planning, Land Use Planning, Energy Efficiency, Advanced Research in Urban System, and Public Policy.

### Expertise in software's like:

MS-Office, AutoCAD, Google Sketch up, MS-Project, Arc GIS and System Dynamics.

## PROFESSIONAL EXPERIENCE:

- Total Experience -29 years plus in the academic and professional field of Planning and Architecture.
- Employed as a Junior Town Planner, PPA under the Town and Country Planning Organization, Government of India, from July 1991 to July 2016.
- Field of experience deals with preparation of Comprehensive Development Plans, issue of planning permissions with respect to jurisdiction of Puducherry Region, India.
- Job responsibilities include scrutiny of building permit applications, layout plans, development control/enforcement and monitoring legal issues related to planning activities.
- Nodal Officer for the preparation of Comprehensive Development Plan for the Puducherry Planning Area at Union Territory of Puducherry, India.

## TEACHING EXPERIENCE:

*Visiting Faculty* at the School of Architecture and Planning, Anna University, Chennai, India from July, 2011 to August, 2013 and teaching experience at School of Architecture and Planning, as summarized in the sequel:

- Planning courses namely: for UG (i) Human Settlements Planning and (ii) Evolution of Human Settlements have been handled for fourth year B.Arch., in the Department of Architecture, School of Architecture and Planning, Anna University, Chennai, Tamil Nadu.

*Professor* at Faculty of Architecture & Planning, Arba Minch Institute of Technology, Arba Minch University, Ethiopia from August, 2017 to October, 2018:

- Planning course namely: (i) Housing & Inner-City Redevelopment (ii) Research Methodology; and (iii). Planning Theory and Techniques;

*Associate Professor* at School of Planning and Architecture, Vijayawada, Andhra Pradesh, India, from October, 2018 onwards to till date:

- Planning courses -UG & PG Programme for the Academic Year 2018-2019:  
(i)City & Metropolitan Planning; (ii) Climate Change & Cities; (iii) Urban Environmental Planning Studio; (iv) Regional Planning Studio; (v) Planning Legislation & Professional Practice; and (vi) Advanced Research Methods (PG programmes, Masters in Urban & Regional Planning; Masters in Environmental Planning & Management & Masters in Transportation and Infrastructure Planning).
- Planning courses UG & PG Programme for the Academic Year 2019-2020:  
(i) City & Metropolitan Planning; (ii) Environmental Justice; (iii) Planning Legislation and Professional Practice (iv) Advanced Research Methods (PG programmes, Masters

in Urban & Regional Planning; Masters in Environmental Planning & Management & Masters in Transportation and Infrastructure Planning) (v) Urban Environmental Planning Studio; (vi) Urban Planning Studio.

- Planning courses UG & PG Programme (M.Plan) for the Academic Year 2020-2021:  
(i) City & Metropolitan Planning; (ii) Regional Planning; (iii) Urban Environmental Planning Studio; (iv) Metropolitan Planning; (iv) Planning Legislation; (vi) Regional Planning Studio.

**M.Tech. Research Topic:** "Planning for Integrated Development of Puducherry Region, India".

**Ph.D. Research Topic:** "Planning for Energy Efficient Sustainable Development of Chennai Metropolitan City, India".

### **BOOKS & BOOK CHAPTERS PUBLISHED:**

- [1] **Adinarayanane Ramamurthy (2018)**, Book title entitled as "Energy Efficient Sustainable Development: A System Dynamics Approach", by Scholars Press, is an imprint of SIA Omni Scriptum Publishing, Lambert Academic Publisher, Germany, European Union, ISBN No-978-3-330-65164-7, published in March 2018.
- [2] Minakshi Jain, **Adinarayanane Ramamurthy**, Ayon K Tarafdar, Abdul Razak Md, and Faiz Ahmed Chundeli, **(2020)** Editors for International Conference Book of Proceedings on "Resilient and Liveable City Planning" (RLCP 2020)-Transforming Urban Systems held between February 10 to 13, 2021, at School of Planning and Architecture Vijayawada, Andhra Pradesh, India, by BS Publications, Hyderabad, India, ISBN No.978-93-90211-61-6, published in February, 2020.
- [3] Lata K., Saha S.K., **Adinarayanane Ramamurthy**, Chundeli F.A. **(2021)**, "Smart Global Megacity: Chennai Sustainable Development Framework". In: Vinod Kumar T. (eds) Smart Global Megacities. Advances in 21st Century Human Settlements. Springer, Singapore. [https://doi.org/10.1007/978-981-16-2023-2\\_4](https://doi.org/10.1007/978-981-16-2023-2_4), published in June 2021, which is indexed in Web of Science/ Scopus
- [4] **Adinarayanane Ramamurthy**, Prashant Vardhan & Faiz Ahmed Chundeli **(2021)**, "Regional Development and Planning for Sustainable Development: A Case of Puducherry Planning Region, India" book chapter accepted for publication in Social Morphology, Human Welfare & Sustainability, **Springer Nature, Switzerland**, which is indexed in Web of Science/ Scopus.
- [5] **Adinarayanane Ramamurthy**, Prashant Vardhan & Faiz Ahmed Chundeli **(2021)**, "Simplified methodology for district-scale urban energy quantification and roof-top solar photovoltaic potential: A case study of Chennai, India", book chapter accepted for publication in Urban Energy Systems - A modeling and Simulation Perspective by **Wiley-Scrivener imprint, USA**, which is indexed in Web of Science/ Scopus.

### **PAPERS PUBLISHED IN REFEREED FOREIGN JOURNALS:**

- [1] Monsingh D. Devadas and **Adinarayanane Ramamurthy (2012)**, "Urban Energy, Climate Resilient and Sustainable Development: An Integrative Dynamism for Planning Perspectives of Mega Cities, India"- (November 7, 2012), technical paper published in the ELSEVIER, *SSRN-OIDA International Journal of Sustainable Development*, Canada Vol.05, No. 03, pp. 59-84, 2012. Available at SSRN: <http://ssrn.Com/abstract=2172544>.

- [2] **Adinarayanane Ramamurthy** and Monsingh D. Devadas (2012), "Embryonic City Planning Strategies for Growth Management: The Way Forward for Integrated Sustainable Community Development of Urban India"- (December 5,2012), technical paper published in the ELSEVIER, *SSRN-OIDA International Journal of Sustainable Development*, Canada, Vol. 05, No. 05, pp. 31-60, 2012. Available at SSRN: <http://ssrn.com/abstract=2185477>.
- [3] **Adinarayanane Ramamurthy** and Monsingh D. Devadas (2013), "Smart Sustainable Cities: An Integrated Planning Approach Towards Sustainable Urban Energy Systems, India", technical paper published in the International journal of Energy and Environmental Engineering a special journal issue by the World Academy of Science, Engineering and Technology, in vol. 73, pp1412-1432, indexed in Scopus.
- [4] **Adinarayanane Ramamurthy** and Monsingh D Devadas (2016), "Planning for Energy Efficient Sustainable Development of Chennai Metropolitan City, India: A Dynamic Simulation Modelling Approach", Research paper published in the International Journal of Advanced Engineering Technology, Int J Adv Engg Tech/VolVII/Issue III/July- Sept.,2016.
- [5] **Adinarayanane Ramamurthy** and Monsingh D Devadas (2016), "A Model of Eco welfare Planning: Sustainable Urban Development of Chennai Metropolitan City, India", Research paper published in the International Journal of Scientific & Engineering Research, Volume 7, Issue 9, September 2016.
- [6] **Adinarayanane Ramamurthy (2019)**, "Evaluating the Dynamic Functions for Sustainable Development of Chennai Metropolitan City, India: A System Dynamics Approach" technical paper published in the "International Journal of Applied Engineering Research", ISSN 0973-4562 Volume 14, Number 15 (2019) pp. 3340-3355, Research India Publications, indexed in Scopus.
- [7] Padala Kanaka Maha Lakshmi and **Adinarayanane Ramamurthy (2019)**, "Planning for Water Accessibility of Urban Poor Settlements: Case Study of Vijayawada City, Andhra Pradesh, India" technical paper published in the "International Journal of Science and Research (IJSR)", ISSN: 2319-7064, Volume 8 Issue 10, October 2019 pp. 1788-1792.
- [8] Faiz Ahmed Ahmed Chundeli, Minakshi Jain, **Adinarayanane Ramamurthy** and Inderpal Singh (2021), "Cultural Heritage Conservation Practices amongst the Indigenous Communities of Kullu Region, Himachal Pradesh, India", technical paper under review for Land-use Policy, ISSN: 0264-8377, The International Journal Covering all aspects of Land Use, ELSEVIER Publication.
- [9] Faiz Ahmed Ahmed Chundeli, Minakshi Jain, **Adinarayanane Ramamurthy** and Inderpal Singh (2020), "Role of Cultural Heritage in Conservation of Natural Environment amongst the Indigenous Communities of Kullu Region, Himachal Pradesh, India", technical paper under review for City, Culture and Society, Elsevier Publication, ELSEVIER Publication.

- [10] **Adinarayanane Ramamurthy**, Minakshi Jain, & Virupoxi Bagod and Faiz Ahmed Chundeli (2020), "Urban Energy and Carbon Emission in Housing and Transport Sectors: A Synergetic Pair of Cybernetics and System Dynamics", technical paper under review for Journal of Critical Reviews, which is indexed by Scopus.
- [11] Faiz Ahmed Chundeli, **Adinarayanane Ramamurthy** and Minakshi Jain (2021), "Population Density and COVID Spatial Dynamics: A Critical Assessment of Indian Districts", technical paper accepted for publication in Indian Journal of Public Administration | SAGE Publications Inc .UK., which is indexed in Web of Science/ Scopus.
- [12] Anusha Roy, **Adinarayanane Ramamurthy** and Faiz Ahmed Chundeli, (2021) "Green and Blue Infrastructure (GBI) for Climate Responsive Planning- A Case of Navi Mumbai City, India", technical paper under review for Land-use Policy, ISSN: 0264-8377, The International Journal Covering all aspects of Land Use, ELSEVIER Publication.
- [13] Tania Berger, Faiz Ahmed Chundeli, Rama Umesh Pandey, Minakshi Jain, Ayon Kumar Tarfdar, **Adinarayanane Ramamurthy (2021)**, "Low-income residents' strategies to cope with urban heat - Findings from India and Austria", technical paper under review for Land-use Policy, ISSN: 0264-8377, The International Journal Covering all aspects of Land Use, ELSEVIER Publication.

#### PAPERS PUBLISHED IN NATIONAL JOURNALS:

- [1] **Adinarayanane Ramamurthy** and Monsingh D. Devadas, "Toward Evaluation of Green House Gas and Carbon Emissions Management: Localized Strategic Planning Mechanism the Way Forward for Urban India"- technical paper published in the SPACE: The SPA Journal of Planning and Architecture, Vol.17, No.1, ISSN 0970-0706, pp.101- 124, January-June 2013.

#### PAPERS PRESENTED/ PUBLISHED IN THE INTERNATIONAL CONFERENCE PROCEEDINGS:

- [1] Monsingh D.Devadas and **Adinarayanane Ramamurthy**, "Assessment of Greenhouse Gas and CO<sub>2</sub> Emissions Management Strategic Planning Tools: Localized Strategic Planning Approach for Megacities of India"- Technical paper presented/published in International Conference on "Climate Change and CO<sub>2</sub> and Management: Mitigation, Separation and Utilization", held between 2<sup>nd</sup> to 3<sup>rd</sup> February, 2012, organized by Centre for Environmental Studies and Centre for Climate Change and Adaptation Research, Anna University, Chennai, India.
- [2] Monsingh D. Devadas and **Adinarayanane Ramamurthy**, "Integrated Community Sustainability Planning: Challenges and Perspectives from Urban Environment in India"- Technical paper presented /published in 14<sup>th</sup> International Conference on Humane Habitat (ICHH), 2012, under the theme of Evolving Sustainable Humane Habitats: Critical Lessons of New Cities, Towns and Communities, held between 3<sup>rd</sup> to 5<sup>th</sup> February, 2012, organized by International Association for Humane Habitat (IAHH), Mumbai, India.

- [3] Monsingh D. Devadas and **Adinarayanane Ramamurthy**, "Urban Energy, Climate Resilient and Sustainable Development: An Integrative Dynamism for Planning Perspectives of Mega Cities, India"- Technical paper presented/published in the International Conference on Sustainable Development 2012, The Conference Centre Montclair State University, Montclair, New Jersey, USA, held between July 31-August 02, 2012, organized by SSRN-Ontario International Development Agency Inc 287 Second Avenue South Sudbury, Ontario, P3B 4H6, Canada.
- [4] **Adinarayanane Ramamurthy** and Monsingh D. Devadas, "Embryonic City Planning Strategies For Growth Management: The Way Forward For Integrated Sustainable Community Development of Urban India"- Technical paper presented/published in the International Conference on Sustainable Development 2012, The Conference Centre Montclair State University, Montclair, New Jersey, USA, held between July 31-August 02, 2012, organized by Ontario International Development Agency Inc. 287 Second Avenue South Sudbury, Ontario, P3B 4H6, Canada.
- [5] **Adinarayanane Ramamurthy** and Monsingh D. Devadas, "Smart Sustainable Cities: An Integrated Planning Approach Towards Sustainable Urban Energy Systems, India"- Technical paper presented /published in the ICEESD 2013: International Conference on Energy, Environment and Sustainable Development held in Dubai, United Arab Emirates during January 30-31, 2013, Organized by World Academy of Science, Engineering and Technology, United Arab Emirates.
- [6] **Adinarayanane Ramamurthy**, Monsingh D. Devadas and Virupoxi Bagodi, "An Integrated System Dynamics Modelling Approach for predicting the dynamic functions towards Sustainable Development of Chennai Metropolitan City, India"- Technical paper presented/published in the CUPUM2015:14th International Conference on Computers in Urban Planning and Urban Management, Department of Urban Studies & Planning (MIT) during July 7 to July 10, 2015, at the Massachusetts Institute of Technology, Cambridge, Boston, U.S.A.
- [7] Faiz Ahmed Chundeli, **Adinarayanane Ramamurthy** and Minakshi Jain, "Scientific Assessment of Blue and Green in improving Micro-Climate for Sustainable Built Environment in Capital City of Amaravati, Andhra Pradesh, India", Technical paper presented/published in the International Conference on Sustainable Environment & Energy, ICSEE'19, 21st – 22nd, February 2019, Organized by Centre for Sustainable Environment and Energy, Department of Civil Engineering Hindustan Institute of Technology and Science, Padur, Chennai, India.
- [8] **Adinarayanane Ramamurthy** and Anusha Roy, "Green and Blue Infrastructure to Regulate Thermal Comfort in High Density City Planning: A Case of Navi Mumbai, India"- Technical paper presented/published in the ISOCARP 2019: 55<sup>th</sup> ISOCARP World Planning Congress Beyond the Metropolis, Jakarta-Bogor, Indonesia, between 9-13 September 2019, Organized by ISOCARP Head Office, The Hague The Netherlands.

- [9] Priya P. Patel and **Adinarayanane Ramamurthy**, "Green Space Dynamics and Spatial Variation of Urban Thermal Environment: Implication on urban cooling in Ahmedabad city of western India"-Technical paper presented/published in the ICFC 2019: International Conference on Future Cities during December 11-13, 2019, Organized by Department of Architecture and Planning, Indian Institute of Technology Roorkee, Uttrakhand, India.
- [10] Anusha Roy and **Adinarayanane Ramamurthy**, "Potential for Green and Blue Infrastructure towards Climate Responsive Planning – A Case of Navi Mumbai, India"-Technical paper presented/published in the ICFC 2019: International Conference on Future Cities during December 11-13, 2019, Organized by Department of Architecture and Planning, Indian Institute of Technology Roorkee, Uttrakhand, India.
- [11] Geetha Sai Prasanna and **Adinarayanane Ramamurthy**, "Climate Resilient Urban Infrastructure Planning: A Case of Visakhapatnam City, Andhra Pradesh, India"- Technical paper presented/published in the ICFC 2019: International Conference on Future Cities during December 11-13, 2019, Organized by Department of Architecture and Planning, Indian Institute of Technology Roorkee, Uttrakhand, India.
- [12] Faiz Ahmed Chundeli, and **Adinarayanane Ramamurthy**, and Minakshi Jain "Scientific Assessment of Blue and Green Mitigating UHI at Embryonic Stages of Planning and Design - Amaravati, Andhra Pradesh, India"- Technical paper presented/published in the RLCP 2020: International Conference on Resilient and Liveable City Planning during February 10-13, 2021, Organized by Department of Planning, School of Planning and Architecture Vijayawada, Andhra Pradesh, India.
- [13] Tanushree Biswas and **Adinarayanane Ramamurthy**, "Three-Dimensional Rule-Based City Modelling to Regulate the Spatial Dynamics: A Case of Bhubaneswar City, India"- Technical paper presented/published in the RLCP 2020: International Conference on Resilient and Liveable City Planning during February 10-13, 2021, Organized by Department of Planning, School of Planning and Architecture Vijayawada, Andhra Pradesh, India.
- [14] Pasam Mounika Reddy and **Adinarayanane Ramamurthy**, "Monitoring Urban Expansion and Its Effects on Land Use and Land Cover Changes in Vijayawada City, Andhra Pradesh, India"- Technical paper presented/published in the RLCP 2020: International Conference on Resilient and Liveable City Planning during February 10-13, 2021, Organized by Department of Planning, School of Planning and Architecture Vijayawada, Andhra Pradesh, India.
- [15] **Adinarayanane Ramamurthy**, Anusha Roy and Faiz Ahmed Chundeli, "Green and Blue Infrastructure (GBI) for Climate Responsive Planning- A Case of Navi Mumbai City, India"-Technical paper presented/published: The 11th International Conference of the International Society for the INTEGRATED DISASTER RISK MANAGEMENT, during 22-24 September 2021 (Virtual mode), oorganized by Disaster Prevention Research Institute and Kyoto University, Kyoto, JAPAN.

- [16] Tania Berger, Faiz Ahmed Chundeli, Rama Umesh Pandey, Minakshi Jain, and **Adinarayanane Ramamurthy**, "Low-income residents' strategies to cope with urban heat - Findings from India and Austria"- Technical paper presented/published: The 11th International Conference of the International Society for the INTEGRATED DISASTER RISK MANAGEMENT, during 22-24 September 2021 (Virtual mode), oorganized by Disaster Prevention Research Institute and Kyoto University, Kyoto, JAPAN.
- [17] Faiz Ahmed Chundeli, Minakshi Jain, **Adinarayanane Ramamurthy**, and Inderpal Singh, "Role of Cultural Heritage in Conservation of Natural Environment amongst the Indigenous Communities of Kullu Region, Himachal Pradesh, India"- Technical paper presented/published: The 11th International Conference of the International Society for the INTEGRATED DISASTER RISK MANAGEMENT, during 22-24 September 2021 (Virtual mode), oorganized by Disaster Prevention Research Institute and Kyoto University, Kyoto, JAPAN.

### PAPERS PRESENTED / PUBLISHED IN THE NATIONAL CONFERENCE PROCEEDINGS:

- [1] **Adinarayanane, Ramamurthy** and Monsingh D.Devadas, "Strategies for Infrastructure Provision in Puducherry City" paper published in the proceedings of conference on "Inclusive Planning for Empowering the Urban Poor", pp 371-380, National Town and Country Planners Congress, January 4-6, 2010 at Nagpur, India, by the Institute of Town Planners, India.
- [2] Monsingh D. Devadas and **Adinarayanane Ramamurthy**, "Evolving Planning Strategies for Managing Urban Growth: A Way Forward Towards Sustainable Community Development of Urban India"- One-day seminar under the theme of "Managing Urban Growth", was held on 17<sup>th</sup> March, 2012, at Hotel Marina Towers, Egmore, Chennai-technical paper published in souvenir of Indian Institute of Town Planners, India, Tamil Nadu Regional Chapter, Chennai, India.

### RESEARCH GUIDANCE:

#### UNDERGRADUATE (U.G.) THESIS:

Guided in the Faculty of Architecture & Planning, Arba Minch Institute of Technology, Arba Minch University, Ethiopia:

- [1] Four (4) Undergraduate thesis projects were guided during the year, March 2017.  
[2] Ten (10) Undergraduate thesis projects were guided for May, 2018.

Guided in the Department of Planning, School of Planning and Architecture Vijayawada:

- [1] Revitalization of Core Commercial Area of Calicut City, The case of Valiyangadi, Kerala State, India, *by Abidh N V. (B Plan, 2019).*
- [2] An Integrated Assessment of Flood Vulnerability: A Case of Pathanamthitta District, Kerala State, India, *by Ms. Laivy Rose Augustine. (Best Thesis Awarded-B Plan, 2020).*
- [3] Planning for Sustainable Social Infrastructure to enhance Health and Well-being of Children: A case of Bengaluru City, India, *by Ms.Shivani Verma (B Plan, 2021).*
- [4] Assessment of Sustainable Development Goals 11.3 in the local context of Bengaluru City, India, *by Mr. Subrajoti Paul (B Plan, 2021).*



## **POSTGRADUATE (P.G.) THESIS:**

Guided in the Department of Planning, School of Planning and Architecture Vijayawada:

- [1] Potential for Green and Blue Infrastructure towards Climate Responsive Planning – A Case of Navi Mumbai, India, *by Ms. Anusha Roy, (Best Thesis Awarded-MEPM, 2019).*
- [2] Assessment and Evaluation of Urban Green Space and Land Surface Temperature for Planning Sustainable Urban Environment: A Case of Ahmedabad city, India, *by Patel Priya Poshak Kumar (MEPM,2019).*
- [3] Climate Resilient Urban Infrastructure Planning: A Case of Visakhapatnam City, Andhra Pradesh, India, *by V. Geetha Sai Prasanna (MURP,2019).*
- [4] Planning for Water Accessibility of Urban Poor Settlements: A Case of Vijayawada City, Andhra Pradesh, India, *by P. Kanaka Maha Lakshmi (MURP,2019).*
- [5] A Spatial Model for interaction between Land Use and Urban Energy Consumption: A Case of Bengaluru City, India *by Aswitha Bachala.(MURP,2020)*
- [6] Urban Sprawl and its Impacts on Land Use/ Land Cover Dynamics of Vijayawada city, Andhra Pradesh, India, *by Ms.Pasam Mounika Reddy (Best Thesis Awarded-MURP, 2020).*
- [7] Sonic Environment and City Planning, "A New Layer of Urban Mechanics", A Case of Chennai City, Tamil Nadu, India, *by Poornasri. K. (MURP,2020)*
- [8] Integrated Urban Flood Water Management for City of Kozhikode, Kerala, India, *by Mr. Rajiv Menon K. (MEPM,2020).*
- [9] Assessing the impact of Urban Spatial Structure and Mobility Pattern on CO<sub>2</sub> Emission: A case of Bidhannagar City, Kolkata, India, *by Mr. Subhojit Pande. (MTIP,2020).*
- [10] Integrated Planning for Three-Dimensional Rule Based Model to regulate the Urban Spatial Dynamics: A Case of Bhubaneswar, India, *by Ms. Tanushree Biswas. (MURP,2020).*
- [11] Rethinking the Dynamics of Rural Transformation towards Integrated Rural Development Planning: A case of Tumakuru District, Karnataka State, India, *by Raghavendra G V, (Best Thesis Awarded-MURP, 2021).*
- [12] Sustainable Urban Land Management for Coimbatore City, Tamil Nadu State, India, *by Aravind M G, (MURP,2021).*
- [13] Planning for Low Carbon Mobility: Impacts of Transport Interventions and Accessibility: A Case of Kakinada City, Andhra Pradesh, India, *Mr. M. Sri Vinay, (MTIP,2021).*
- [14] Exploring Bioregionalism for Green City Planning- A case study of Hyderabad Metropolitan Development Authority (HMDA) Region, Telangana State, India, *by Ms. B Nikhila Sriinivas, (MEPM,2021).*
- [15] Planning towards Healthy City: A case of Hyderabad city, Telangana state, India, *by Ms.Chinta Kanaka Nagasai Preethi P, (MEPM,2021).*
- [16] Renewable route to Sustainable Transport Planning: A Case of Delhi City, India, *by Mr.Aditya Garg, (MTIP,2021).*

### **Ph.D. THESIS:**

- [1] "Urban Green Infrastructure Planning for sustainable urban environment of Vijayawada City, Andhra Pradesh, India", by Ms. K. Praveena, Ph.D., Research Scholar, which is under progress.
- [2] "Piezoelectric Energy Generation Potential for an Urban System, India", by P. Sitha Mahalakshmi, Ph.D., Research Scholar, which is under progress.

### **Special Achievements:**

- [1] Served as subject prepared written examination question papers for the recruitment of posts of Village Secretariat (Planning) Government of Andhra Pradesh at State Government level (2019).
- [2] Has been a Technical Advisory Member for Vijayawada Municipal Corporation for evaluation of urban development projects.
- [3] Served on Selection and Interview Committee for SPA Vijayawada for recruitment of posts of Assistant Professor (contract basis), Assistant Registrar, Technical Officer and Technical Assistants from 2018 to 2020.
- [4] Member of Senate- School of Planning and Architecture Vijayawada.
- [5] Member of Board of Governors-School of Planning and Architecture Vijayawada.

### **INVITED- GUEST LECTURES & EXTERNAL EXAMINER:**

- [1] Delivered Invited Public Lecture on "Planning for Energy Efficient Sustainable Development of Cities", at Building Construction and City Development (EiABC), Addis Ababa Institute of Technology, Addis Ababa University during December 2017 for all PG batches in Urban, Regional and Environmental Planning.
- [2] New Curriculum Design Work: New Post Graduation curriculum document has been prepared and Self-Evaluation Report has been established for the M.Sc. Study Programme in "Urban Design & Sustainable Development (M.Sc. UDSD)", for the academic year 2018-19 at Faculty of Architecture and Planning, Arba Minch Institute of Technology, Arba Minch University, Ethiopia.
- [3] Appointed as Jury member for the AMU-unaVision summit-DESIGN CHALLENGE for the Gircha unaVillage Chench Woreda, Gamo-Gofa Zone in collaboration with Arba Minch University was held in Feb 17<sup>th</sup> to March 11<sup>th</sup> 2018, for Sustainable and Resilient Housing and Living, organized by unaVision NGO, Germany, at Arba Minch Institute of Technology, Arba Minch University, Ethiopia.
- [4] External Panel Member for Doctoral Committee: Mr. Kunwar Rajendra Kopil, (Assistant Professor, AMIT, Arba Minch University, Ethiopia), Department of Architecture, Centre for Research and Consultancy, Hindustan Institute of Technology and Science, Padur, Chennai, Tamil Nadu.
- [5] Appointed as PhD. Examiner for Ph.D. thesis entitled "Geospatial Techniques for Planning Sustainable Green Spaces in Rapidly Urbanizing Countries." of Mr. Sathya Kumar V, Department of Civil Engineering, Indian Institute of Technology Bombay, June-July 2020.
- [6] External Expert Panel Member for Doctoral Committee: Mr. Ashfa Ahmed A, in School of Architecture and Interior Design, in the Faculty of Engineering and Technology, SRM Institute of Science & Technology, Chennai, Tamil Nadu.

- [7] A six-day eSHORT-TERM COURSE, on "Traditional Knowledge in Urban Resilience" between October 28-November 01, 2020(Online), invited lecture presented on the topic "Framework for Assessment of Indigenous Traditional Knowledge System (ITKS)", organized by Department of Architecture, National Institute of Technology Hamirpur, Himachal Pradesh.
- [8] Six Day eSTTP and Industry-Academia Outreach Programme "Urban Dynamics and Climate Resilience" 28 Nov – 03 Dec, 2020 (Online), special lecture delivered on the topic "Significance of Climate Change in Urban Studies and Planning- A System Dynamics Approach", under European Union Research project "Building Resilient Urban Communities" (BReUCom)- funded by the ERAMUS+ Programme of the European Union, organized by School of Planning and Architecture Vijayawada.
- [9] Appointed as External Expert member for Research Degree Committee, for Ms. Chandra Prabha, PhD Research Scholar, Department of Architecture and Planning, Maulana Azad National Institute of Technology Bhopal, (MNIT-Bhopal).
- [10] Faculty Development Program- Exploring Urban Planning Prospects in Architectural Design Studios – An Integrated Approach towards establishing Liveable Cities, delivered Invited Public Lecture on "Urban Governance and Development Management", on 12/08/2021, organized by Council of Architecture online training program in collaboration with Nehru School of Architecture, Coimbatore, Tamil Nadu.
- [11] A six-day e-Workshop on "Sustainable Built Environment in Hills" (SBH-2021), between September 11-15, 2021 (Online), invited lecture presented on the topic "Evaluation methods for Resilience in City Planning", organized by Department of Architecture, National Institute of Technology Hamirpur, Himachal Pradesh.
- [12] Faculty Development Program on "The National Education Policy, Sustainable Change Management in Planning and Architecture", delivered a special lecture on the topic "Multidisciplinary Research in Planning" held between October 04-08, organized by the School of Planning and Architecture, Vijayawada, and sponsored by the All India Council for Technical Education – Training and Learning (ATAL) Academy, New Delhi.

## JOURNAL EDITOR & REVIEWER:

- [1] Appointed as **Reviewer** of journal-Walailak Journal of Science and Technology (Walailak J. Sci. & Tech. or WJST), is a peer-reviewed journal covering all areas of science and technology, College of Graduate Studies, Walailak University, Thasala, Nakhon Si Thammarat 80161, Thailand, which is indexed in Scopus.
- [2] Appointed as **lead Guest Editor** of "International Journal of Property Management and Built Environment", Web of Science and SCOPUS indexed journal, by EMERALD Publishing Limited, United Kingdom, the international journal covering all aspects of Land Use.
- [3] Appointed as **lead Guest Editor** of "International Journal of Housing and Market Analysis", Web of Science and SCOPUS indexed journal, by EMERALD Publishing Limited, United Kingdom, the international journal covering all aspects of Land Use.

## CONFERENCES/SEMINARS/TRAINING PROGRAMMES ORGANIZED:

- [1] International Conference on "Resilient and Liveable City Planning" (RLCP 2020), held between February 10 to 13, 2021, as *Convener-RLCP2020*, organized by Department of Planning, at School of Planning and Architecture Vijayawada, Andhra Pradesh State, India.
- [2] A five days software training programme on "PTV VISSUM and VISSIM" (Traffic Simulation Software) by PTV Group was organized by Dr. Adinarayanane R and Ms. Naina Guptha, Department of Planning in SPA Vijayawada from August 19<sup>th</sup>–23<sup>rd</sup> 2019 for students of Masters in Transport and Infrastructure Planning.
- [3] A five days software training programme on "CUBE" (Transportation and Land-use Modelling Software) by City Labs Group was organized by Dr. Adinarayanane R and Ms. Naina Guptha, Department of Planning in SPA Vijayawada from September 03– 07, 2019 for students of Masters in Transport and Infrastructure Planning.
- [4] A one-day seminar on "Urban Green Spaces using Geo-spatial Techniques for City Planning" and followed by a hands-on-training session with the faculty and students at GIS Lab, Department of Planning, SPA Vijayawada by Dr. RAAJ Ramsankaran, Associate Professor and Head of Hydro Remote Sensing Applications Group (H-RSA), Department of Civil Engineering, IIT Bombay, organized by Dr. Adinarayanane R, was held on 28/08/2019 at SPA Vijayawada.
- [5] A Special Lecture on "Urban Design and Public Space Management" by Uwe S. Brandes, Professor of Practice and Faculty Director, Urban and Regional Planning Program, Georgetown University was held on 02/08/2019 at SPA, Vijayawada, organized by Dr. Adinarayanane R and Mr. Prasanth Vardhan.
- [6] The World Town Planning Day 2019 (WTPD2019), a half-day event on 07/11/2019 to celebrate with the theme on 'Sustainable & Healthy Communities' and Prof. Dr. Eric Leclerc, from University of Lille, France, was the guest speaker for the WTPD 2019, organized by Dr. Adinarayanane R and Dr. Abdul Razak Mohamed.
- [7] A special lecture on "Smart City Planning Experiences from France", by Prof. Dr. Eric Leclerc, from University of Lille, France, was held on 30/10/2019, organized by Dr. Adinarayanane R and Dr. Abdul Razak Mohamed, at Department of Planning SPA, Vijayawada.
- [8] A special lecture on "Climate Change and Vulnerability of Coastline and Coastal Infrastructure ", by Dr. Komali Kantamaneni, Research Fellow, Maritime, Technology and Environment, Solent University, United Kingdom, followed by interaction session was held on 30/11/2019, organized by Dr. Adinarayanane R and Mr. Prasanth Vardhan, at SPA Vijayawada.
- [9] A Seminar on "Preservation and Planning of Heritage Zones", includes. special lectures series and presentations by Prof. Dr. Michael Tomlan (Dept of City and Regional Planning, Cornell University, USA), Mr. Thomas Richmond (Practicing Planner, New York State Dept. of Conservation, USA), and few other speakers was held on 13.01.2020, organized by Dr. Ayon Tarafdar and Dr. Adinarayanane R, at SPA Vijayawada.
- [10] A special lecture on "Application of System Dynamics in Urban Planning" by Prof. Dr. V. Devadas, Professor, Department of Architecture and Planning, IIT Roorkee was held on 24.01.2020, organized by Dr. Adinarayanane R, Department of Planning, SPA Vijayawada.

- [11] A Special talk on "Fulbright-Nehru and other Fulbright Fellowship Opportunities in the US" by Dr. Monika Setia, Regional Officer – Hyderabad, U.S.-India Educational Foundation (USIEF) Fulbright Commission in India, U.S. Consulate General Hyderabad, was organized by Dr. Adinarayanane and Mr. Prasanth Vardhan, on 05.03.2020, at School of Planning and Architecture, Vijayawada.
- [12] Special Lecture on "Application of Geospatial Technology Towards Urban and Regional Planning" by Shri P. L.N. Raju, Director, North East Space Application Centre (NESAC), Dept of Space, Govt. of India, was held on 09.03.2020 at organized by Dr. Ayon K Tarafdar and Dr. Adinarayanane R at SPA Vijayawada.
- [13] Webinar Series on "Resilient Architecture and Dynamic City Planning", under the sub theme of "Rethinking Cities: Resilient and Liveable Futures", through Microsoft Teams on line mode, held on 27/05/2020, at School of Planning and Architecture Vijayawada, organized by Dr. Adinarayanane R and Dr. Ayon K Tarafdar.
- [14] Webinar Series on "Resilient Architecture and Dynamic City Planning", under the sub theme of "Post COVID 19 Urban Futures", presented the topic on "Post Covid-19 Urban Future spurs Rethinking of Mobility and City Planning", through Google Meet on line mode, held on 17/07/2020, at School of Planning and Architecture Vijayawada, organized by Dr. Ayon K Tarafdar and Dr. Abdul Razak Md.
- [15] A six-day eShort Term Training Program, on "Application on GIS in Urban Resilience Planning" between November 03-November 08, 2020, at School of Planning and Architecture Vijayawada, Andhra Pradesh, under European Union Research project "Building Resilient Urban Communities" (BReUCom)- funded by the ERAMUS+ Programme of the European Union, organized by Dr. Adinarayanane R, Dr. Ayon Tarafdar, Dr. Faiz Ahmed and Dr. Prashanti Rao.
- [16] A six Day Industry Academia Outreach Programme on "Urban Dynamics And Climate Resilience" between 28/11/2020- 03/12/2020, is a short-term e-Short Term Training Programme (eSTTP, under European Union Research project "Building Resilient Urban Communities" (BReUCom)- funded by the ERAMUS+ Programme of the European Union, at SPA Vijayawada, organized by Dr. Adinarayanane R, Dr. Ayon Tarafdar, Dr. Faiz Ahmed and Dr. Prashanti Rao.
- [17] A half a day Workshop on the topic "Planning for a Sustainable Environment for Vijayawada City, Andhra Pradesh", held on 29/05/2021, at School of Planning and Architecture Vijayawada, Andhra Pradesh, under the collaboration of experts from UN-HABIAT team, organized by Dr. Adinarayanane R and Rajeev R.

## RESEARCH AND CONSULTANCY PROJECTS:

- [1] **Project Coordinator** for Research Consultancy Project "Revision of Andhra Pradesh Town and Country Planning Act, 1920", by Directorate of Town & Country Planning, Government of Andhra Pradesh. (Rs. 55.0 lakhs).
- [2] **Project Co-Coordinator** for 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 **ERAMUS + Programme of the European Union**. (Rs.1 Crore)

- [3] **Project Co-Coordinator-** Research Project **"Gram Panchayat Spatial Development Plan"**, for Paritala & Telaprolu Gram Panchayats, Krishna District, Andhra Pradesh", funded by the Ministry of Panchayati Raj, Government of India, (5.0 Lakhs).

### **EXTRA CURRICULARS:**

Participated in various Conferences, Training programmes, FDPs, Seminars and Workshops are as presented in sequel:

- [1] Participated in the "Workshop on Housing" Organized by the Institute of Engineers, Roorkee Circle, Indian Institute of Technology- Roorkee, Roorkee (2009) - Chaired session.
- [2] Participated in the National Seminar on "Housing and Disaster Mitigation Efforts in India: Case Studies (HDME-09)" held on April 18, 2009 at Indian Institute of Technology- Roorkee, Roorkee, India.
- [3] Attended the Training Programme on "Energy Efficiency and Green Rating for Building (GRIHA)", held between 24<sup>th</sup> and 25<sup>th</sup> October, 2009 at Indian Institute of Technology- Roorkee, Roorkee, India.
- [4] Participated in the introductory course on "Data Analysis for Management Research using SPSS and AMOS" conducted by the Department of Management Studies, College of Engineering, Guindy, Anna University, Chennai-25, India on 07/01/2011 and 08/01/2011.
- [5] Participated in the three days' workshop on 'Inclusive Cities'- Planning and Designing our cities which is friendly for every citizen, during 16<sup>th</sup> to 18<sup>th</sup> December, 2011, conducted by the Department of Planning, School of Architecture and Planning, Anna University, Chennai-25, India.
- [6] Attended the "3<sup>rd</sup> National Training cum Workshop on preparing the best PhD thesis of an International Quality" held between 13<sup>th</sup> and 15<sup>th</sup> February 2012 at CSIR-CLRI Adyar, organized by CSIR-Central Leather Research Institute, Adyar, Chennai-600020, India.
- [7] Participated in the training programme on "Writing Effective Conference papers for Engineering/Science Teachers", conducted by Indian Institute of Technology, Bombay between 18-19, February 2012 at Ramanujam Computing Centre, Anna University, Chennai.
- [8] Short course on "How to Do a Good Ph.D. Thesis" during 10-12, April 2012, organized by Centre for International Affairs, Anna University, Chennai. The course was conducted by Dr.N. Sundararajan, Former Professor, Nanyang Technological University, Singapore.
- [9] National Level Technical Seminar on " Optimization in Engineering and Management Research" conducted during 24-25, May 2012, by the Department of Industrial Engineering, Anna University, Chennai-25, India.
- [10] Short term training programme on "Management Development Programme on Multivariate Data Analysis (MDA2012)", by the Vinod Gupta School of Management, Indian Institute of Technology Kharagpur offered by the Institute during June, 04-09, 2012 at I.I.T. Kharagpur, Kharagpur, West Bengal, India.
- [11] Two-week ISTE Main Workshop "Introduction to Research Methodologies" conducted by Indian Institute of Technology, Bombay between June 25, 2012 to July 4, 2012 at Ramanujam Computing Centre, Anna University, Chennai, India.

- [12] Training programme on "Development Plan Preparation and Implementation Techniques" which was held between 24/09/2012 and 28/09/2012 at Centre for Urban Studies, Indian Institute of Public Administration, New Delhi, sponsored by Ministry of Urban Development, conducted by the Indian Institute of Public Administration, New Delhi, India.
- [13] International Workshop on "Renewable Energy, Climate Change and Energy Management 2013" during 24<sup>th</sup> and 25<sup>th</sup> January 2013 at Hotel Hyatt Regency, Teynampet, Chennai, Organized by Institute of Energy Studies, Department of Mechanical Engineering, Anna University, Chennai, India.
- [14] Presented a paper in the Training Programme on "Making Green Cities-A way for Sustainable Urban Development" held at the Department of Planning, School Architecture and Planning Campus, Anna University, Chennai, India on 22<sup>nd</sup> March 2013.
- [15] Participated in the one-day Springer Road show on "E Resources from the Researcher and End-user Perspective and Its benefits", organized by Springer at Vivanta by Taj-Connemara, Chennai, India on 2<sup>nd</sup> September 2013.
- [16] Jury member for the AMU-unaVision summit-DESIGN CHALLENGE for the Gircha unaVillage Chenchu Woreda, Gamo-Gofa Zone in collaboration with Arba Minch University was held in Feb 17<sup>th</sup> to March 11<sup>th</sup> 2018, for Sustainable and Resilient Housing and Living, organized by unaVision NGO, Germany, at Arba Minch Institute of Technology, Arba Minch University, Ethiopia.
- [17] Participated in Two days "5<sup>th</sup> National Symposium on Research for Development", was held in May 11<sup>th</sup> to 12<sup>th</sup> 2018, organized by Arba Minch Institute of Technology, Arba Minch University, Ethiopia.
- [18] Participated in Six days Faculty Development Programme on "Communicating Research and Open-access Publishing (CROP-2019)", during June 17-22,2019, organized by School of Architecture and Planning, Vijayawada, Andhra Pradesh.
- [19] Participated seven days Symposium, Project meeting and field visit, as part of European Union ERASMUS + Research project "Building Resilient Urban Communities" (BReUCom)-International Capacity Building in the field of Higher Education (CBHE), during August 23-September 01, 2019, organized at Donube University, Krems, Austria.
- [20] Participated and chaired few sessions in the International Conference on Future Cities ICFC 2019, during December 11-13, 2019, Organized by Department of Architecture and Planning, Indian Institute of Technology Roorkee, Uttrakhand, India.
- [21] Participated seven days Symposium, Project meeting and field visit, as part of European Union ERASMUS + Research project "Building Resilient Urban Communities" (BReUCom)-International Capacity Building in the field of Higher Education (CBHE), during February 22- March 01, 2020, organized at University of Twente, ITC, The Netherlands.
- [22] Participated in AICTE Training and Learning Program (ATAL) Academy One Week Online, Faculty Development Programme on "Energy and Water Efficiency in Built Environment", during June 28-July 02 2021, organized by School of Architecture and Planning, Vijayawada, Andhra Pradesh.

## COUNTRIES VISITED:

Countries Visited	Duration of Visit	Purpose of Visit
<b>The Netherlands</b>	February 22 to March 01, 2020	<ul style="list-style-type: none"> <li>• European Union ERASMUS +Research project "Building Resilient Urban Communities" (BReUCom)-International Capacity Building in the field of Higher Education (CBHE), organized at University of Twente, ITC, The Netherlands.</li> </ul>
<b>Austria</b>	August 23, to September 01, 2019	<ul style="list-style-type: none"> <li>• Symposium and Project meeting as part of European Union ERASMUS + Research project "Building Resilient Urban Communities", (BReUCom)-International Capacity Building in the field of Higher Education (CBHE), Donube University, Krems, Austria.</li> </ul>
<b>U.S.A.</b>	July 05, 2015 to September 08, 2015	<ul style="list-style-type: none"> <li>• To present two technical papers in the international conference CUPUM 2015 titled "14th International Conference on Computers in Urban Planning and Urban Management", Department of Urban Studies &amp; Planning (MIT) during July 7 to July 10, 2015, at the Massachusetts Institute of Technology, Cambridge, Boston, U.S.A.</li> <li>• To Visit Urban Planning Schools of five Universities in U.S.A and had dialogue with experts in the area of research.</li> </ul>
<b>U.A.E.</b>	January 29,2013 to February 4, 2013	<ul style="list-style-type: none"> <li>• To present a technical paper in the "International Conference on Energy, Environment and Sustainable Development, 2013," by the World Academy of Science, Engineering and Technology held at Dubai, U.A.E.</li> </ul>
<b>U.S.A.</b>	July 29, 2012 to August 24, 2012	<ul style="list-style-type: none"> <li>• To present two technical paper s in the international conference titled "International conference on Sustainable Development, 2012" held at Montclair State University, New Jersey, U.S.A.</li> <li>• To visit Urban Planning schools of six Universities in U.S.A. for data collection/ dialogue with experts in the area of research.</li> </ul>
<b>Singapore</b>	July 24,2007 to August 18, 2007	<ul style="list-style-type: none"> <li>• Academic study visit / tourism</li> </ul>
<b>Malaysia</b>	July 24,2007 to August 18, 2007	<ul style="list-style-type: none"> <li>• Academic study visit / tourism</li> </ul>
<b>Thailand</b>	July 24,2007 to August 18, 2007	<ul style="list-style-type: none"> <li>• Academic study visit / tourism</li> </ul>



**MEMBERSHIP OF PROFESSIONAL SOCIETIES/INSTITUTIONS:**

<b>Name of the Professional Institute /Society</b>	<b>Type of Membership</b>
Institute of Town Planners, New Delhi, India.	Life Member (A.I.T.P)
Indian Institute of Public Administration, New Delhi, India	Associate Member (A.I.I.P.A)
Indian Concrete Institute, Chennai, India.	Life Member (M.I.C.I)
System Dynamics Society, University at Albany, Albany NY 12222 USA.	Member (S.D.S)
Professional Engineer, Engineering Council of India, New Delhi, India	Life Member (E.C.I)
Institution of Engineers (India), Kolkata, India.	Life Member (I.E.I)
Scientific and Technical Committee & Editorial Review Board on Urban and Civil Engineering, World Academy of Science, Engineering and Technology (WASET).	Member
International Society of City and Regional Planners (ISOCARP) Hague, The Netherlands.	Member

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I hereby declare that all the statements above are true and complete to the best of my knowledge.

**(Dr. Adinarayanane R)**

Place: Vijayawada, Andhra Pradesh.  
Date: 09/10/2021.