

Bio-Data

Name: Dr. V. Devadas

Specialization: Development Planning (Urban & Rural)

Present Position: Visiting Professor, Indian Institute of Technology (I.I.T.) – Roorkee (Retired Senior Professor, IIT-Roorkee)



Address (present): Department of Architecture & Planning, Indian Institute of Technology (I.I.T), Roorkee, Uttarakhand State, India-247667, Fax: 01332- 273560, Phone: 01332-285298 (O) / 285155 @, +91 9411111375 (cell), e. mail: v.devadas@ar.iitr.ac.in & devadasv59@gmail.com

Address: Deva Cottage, Kalluvettankuzhi, Chirayankuzhi, Kanjiracode Post, (Permanent) Kanyakumari District, Tamil Nadu State, India, PIN - 629 155.

Date of Birth: June 15, 1959.

Sex: Male.

Nationality: Indian

Educational Qualification

- Ph. D. Degree in **Development Planning**, Indian Institute of Technology (I.I.T.), Kharagpur, 1994.
- M. Phil. Degree in **Micro Level Planning**, Gandhigram Rural University, Tamil Nadu, 1986.
- M. A. Degree in **Rural Development**, Gandhigram Rural University, Tamil Nadu, 1984.
- M. A. Degree in **Economics**, Annamalai University, Tamil Nadu, 1998.

Awards

- **Winner, Gold Medal** for University First Rank in the Postgraduate Degree Course, 1984.
- **Winner, Khosla Research Prize**, Indian Institute of Technology, Roorkee, 1998.
- Qualified U.G.C.'s **National Educational Test (NET)**, 1985.
- **Qualified Kerala State's Public Service Commission with State First Rank in 2004.**
- Awarded Indian Institute of Technology, Kharagpur's **Fellowship** for pursuing a Doctorate.
- Awarded Gandhigram Rural University **Fellowship** for pursuing M. Phil. Degree.
- **Distinguished Alumni Award**, Gandhigram Rural University, Tamil Nadu, 2024.

Administrative Experience:

- **Chief, Decentralized Planning, State Planning Board**, Government of Kerala, India:

I worked as **Chief** of Decentralized Planning, **State Planning Board**, Government of Kerala, India, from May 2004 to March 2005, and did commendable work in administration, policy planning, development planning, project evaluation, budgeting; participating in various kinds of meetings related to development activities including State Level Coordination Committee Meeting; attending training programs; inspecting District Planning Offices; plan negotiation with the officials of the Planning Commission, Govt. of India; conducting field visits; etc.

Teaching Experience

- Working as a **Professor (Development Planning)** in the Department of Architecture & Planning, **Indian Institute of Technology-Roorkee**, India, since 2014; working as Associate Professor from 2005 – 2014; and as Assistant Professor from 1996-2004 in the same department. I have been handling the following subjects as Housing, Ecology, Urban Dynamics, Urban & Rural Economics, Urban Land Economics, Urban Planning Design, Planning Legislation, Rural Planning & Development, Regional Planning, Planning Theories & Techniques, and Technical Communication, etc. at the Postgraduate & Doctoral levels. Besides these, I have been handling Building Economics and Urban Planning subjects at the undergraduate level for a few years in the department.

Visiting Fellow

- I worked as a Visiting Fellow under the U.G.C.'s Visiting Fellow Scheme at the Rural Development Centre, Annamalai University, Annamalai Nagar, Tamil Nadu, for two weeks (from March 23 to April 05, 2015), in the year 2015.

Short Term Course Organized

- A short-term course entitled Urban Dynamics and Planning Techniques is organized in the institute under the Quality Improvement Program of the AICTE for a week (June 26-30, 2017).
- A workshop entitled Application of System Dynamics Techniques in Planning is organized in the IIT-Roorkee Department for a week (Sept. 10-15, 2018).
- A workshop organized on Urban Dynamics in the Dept. of Architecture & Planning, IIT-Roorkee, for a week (April 10-15, 2023).

Member in Organizations:

- System Dynamics Society of U.S.A. (Formerly)
- System Dynamics Society of India (Life Member).
- Indian Society of Continuing Engineering Education (Life Member).

Principal Investigator in Projects

- Urban Observatory Project for Ram Nagar and Roorkee Towns, Ministry of Urban Development & Poverty Alleviation, Government of India, New Delhi.
- Planning for Rainwater Harvesting in Uttaranchal State, Ministry of Human Resource Development, Government of India, New Delhi.

Research Projects (engaged):

- Savings and Deposit Survey, National Institute of Bank Management, Bombay.
- Sericulture Development, Center for Management Development, Trivandrum.
- Education Development, Program for Human Development (NGO), Tamil Nadu.
- Planning for Synchronized Development, Indian Institute of Technology, Kharagpur.
- Telefilm Research & Production, Center for Development of Imaging Technology (C-DIT), Thiruvananthapuram.

Research Experience

- Engaged in survey research since 1982.

Experience (Teaching & Research):

- National Institute of Bank Management, Bombay, as Team Leader in a Project for four months in 1984.
- Program for Human Development (NGO), as Project Officer, for 1 ½ years in 1986-87.
- Center for Management Development, as Project Associate, for 6 months in 1993.
- Indian Institute of Technology, Kharagpur, as Research Associate for 1 ½ years in 93-95.
- Center for Development of Imaging Technology, Trivandrum, Research trainee, for 14 months, 1995-96.
- **Indian Institute of Technology-Roorkee, Assistant Professor, for about 8 years, 1996-2004.**
- **State Planning Board, Government of Kerala, Kerala, India, for about a year (10 months), 2004-05.**
- **Indian Institute of Technology-Roorkee, Associate Professor, from April 2005-April 2014.**
- **Indian Institute of Technology-Roorkee, Professor, from April 04, 2014, to Dec. 31, 2023.**
- **Indian Institute of Technology-Roorkee, Senior Professor, from January 01, 2024 to June 30, 2024.**
- **Indian Institute of Technology-Roorkee, Visiting Professor, from July 01, 2024 to till date.**

Research Guidance

1. Ph. D. Degree Guidance:

A. Ph. D. Degree Thesis Guided:

1. Dr. S.K. Mishra: Pedestrian Networks Planning in Indian Cities (1999), Co-guide: Najamuddin.
2. Dr. K. Ravi: Planning for Infrastructure Provision in New Delhi City (2000), Co-guide: N. K. Tayal.
3. Dr. L. Mathew: Policies for Residential Land Utilization in Kochi City (2001), Co-guide: Dr. Balagopal, P.

4. Dr. Ruchita Garg: Shelter Strategies for the Homeless, Delhi City (2003), Co-Guide: Najamuddin.
5. Dr. E. Fernandez: Modeling Decentralized Integrated Rural Energy System (2004), Co-guide: R. P. Saini.
6. Dr. Salim, A: Planning for Integrated Development of Thiruvananthapuram City (2005).
7. Dr. Sunil Edward: Christian Architecture of Kerala State (2006), Co-guide: R. Shankar.
8. Dr. Dillip K. Das: Planning for Tourism Development in Orissa State, (2006).
9. Dr. Sanjay K. Sonar: Planning for Int. Development of Info Tech. City-Pune, India, (2006), Co-guide: Nalini Singh.
10. Dr. Hina Zia: Infrastructure Management in a Metropolitan City-Kanpur, India (2007).
11. Dr. Chavan, M. K.: Planning for Optimal Transportation System in Bangalore City (2011).
12. Dr. Satish Pipralia: Financial Management in Jaipur City, India, (2013).
13. Dr. Rashmi Kumari: Planning for Sustainable Development in Patna Region, India (2016), Co-guide: R. Chandra.
14. Dr. Nand Kumar: Energy Management in Jaipur City (2016), Co-guide: R. Chandra (2016).
15. Dr. Tejas Rawal: Planning for Optimal Transportation System in Kanyakumari District, Tamil Nadu, (2016)
16. Dr. Pooja Nigam: Land Management in Jaipur City (2016).
17. Dr. Tina Pojara: Exploring the Association of Neighborhood Design with Happiness (2016).
18. Dr. Niruti Gupta: Planning for Sustainable Development in Lucknow District, India, (2017)
19. Dr. Manoj Panwar: Modeling Urban Physics for Sustainable Development (2019), Co-guide: Avlokita).
20. Dr. Sanil Kumar: Wetland Planning in Kerala State (2020).
21. Dr. Ramya, S.: Climate Change and Glazier Melting in Upper Himalayas (2020).
22. Dr. Pankaj: Planning for Smart City-Dehradun, Uttarakhand State (2020).
23. Dr. Kaaviya, R.: Planning for Optimal Water Resilience City-Chennai (2022).
24. Dr. Komal Handore: Sustainable City Development Planning-Pune (2022).
25. Dr. Dhaarna: Water, Energy and Food Security Nexus Planning (2022).
26. Dr. Asfa Siddiqui: Remote Sensing Application in Planning (2023).
27. Dr. Smita: Water Resource Management in Tikhamgargh District, Bundelkhand Region (2023).
28. Dr. Arvind Kumar: Planning for Energy Efficient Smart City-Jodhpur, India (2024).
29. Dr. Jayesh: Planning for Sustainable Compact City-Aurangabad (2024).
30. Dr. Saurabh Jindal: Land Management in Goa State (2024).
31. Dr. Nikhil Prathap: Planning for Sustainable Development of Wayanad District (2024).
32. Dr. Ragavendra: Planning for Sustainable Creative City-Mysoor (2024).

B. Ph. D. Degree Theses Under Progress:

1. Mr. Rohit Dabas: Planning for Residential Land Management in Delhi City (U.T.)

2. Postgraduate Thesis Guidance:

A. Postgraduate Degree Thesis (equal to M. Tech. Degree thesis) Guided:

1. Mr. Salim, A: Planning for Urban Renewal in Trivandrum City.
2. Ms. Smita Gautam: Planning for Sustainable Development in Baroda City.
3. Mr. S.R. Murthy: Planning for Sustainable Development in a Rural System.
4. Ms. Pragati Sagar: Energy Management in Ghaziabad City.
5. Mr. Lokesh. G: Planning for Sustainable Development of Pondicherry City.
6. Mr. Nizar, S.A.: Planning for Green Tourism in Asthamudi Lake Region, Kerala.
7. Mr. Sathish Pipralia: Planning for Redevelopment of Slums in Indore City.
8. Mr. Nand Kumar: Planning for Sustainable Development in Walled City – Jaipur.
9. Ms. Shradda Mahore: Planning for Drinking Water Supply System in Indore City.
10. Ms. Richa Singh: Planning for State Capital Region, Uttar Pradesh State, India.
11. Mr. E. V. Narayanan: Planning for Tourism Development in Agra City.
12. Ms. Tara Saharan: Planning for Urban Renewal in Kolkata City.
13. Mr. Khan A. R.: Planning for Rejuvenation of Cottage Industries in Aligarh City.
14. Mr. Vaibhav: Planning for a Special Economic Zone (SEZ) in U. P. State Capital Region.
15. Mr. Adinarayanane: Planning for Integrated Development of Puducherry Region.
16. Ms. Anuja: Planning for Integrated Development of River Front in Pune City.
17. Mr. Manjeet Singh: Micro Level Planning for Rural Areas of Hissar District, Haryana.
18. Mr. Ankit Nagpal: Planning for Housing with Infrastructure Provision: Bhopal City.
19. Mr. Naveen C. Kiran: Planning for Sustainable Development of Kurnool District, Andhra Pradesh.
20. Ms. Rashmi Kumari: Planning for Sustainable Development of Patna Region.
21. Ms. Debapriya Guha: Planning for Integrated Development of Tinsukia District, Assam State.
22. Mr. Anand Saurabh: Planning for Optimum Transportation System in Patna City.
23. Mr. Tejas S. Rawal: Sustainability Assessment of Ahmedabad Bus Rapid Transit System.
24. Mr. Shivendu Singh: Planning for Optimum Governance in Bhagalpur District, Bihar State.
25. Ms. Akshitadas: Energy Management in Ghaziabad City.
26. Mr. Raju Vemula: Urban Management: A Case of Hyderabad City.
27. Mr. Bishal Goswami: Planning for Sustainable Land Use in Kolkata City.
28. Mr. Vivek Kumar: Planning for Sustainable Development of Prayag-Allahabad.
29. Ms. Kamna Karan: Planning for Integrated Tourist Circuit in Bihar State.
30. Mr. Gote N. Nitin: Redevelopment of the Mula & Mutha River Front.
31. Mr. Md. J. Fuzail: Mobility Improvement Planning for NH 91 (GT Road), Aligarh City.
32. Mr. Pankaj: Planning for Sustainable Transportation System in Dehra Doon City.
33. Ms. Ritu Agarwal: Planning for Wind Energy System in Jaisalmer District, Rajasthan State.
34. Mr. D. Parida: Planning for Integrated Development of Rourkela Town.

35. Ms. N. Deeplaxmi: Planning for Optimal Sanitation in Amaravati City-India
36. Ms. B. Safoora: Planning for Integrated Development of Inland Waterways in Kerala State.
37. Mr. K. V. Abhisek: Planning for Renewal of CBD Area of Ghaziabad City.
38. Ms. Vidhu Pandey: Planning for Sustainable Development of Fringe Areas of Aligarh City.
39. Mr. Suman Kumar: Planning for Sustainable Development of Alkananda Watershed Region.
40. Mr. Baber Javed: Planning for Comprehensive Development of Azamgarh Dt.
41. Mr. M. Pratap Singh: Planning for Sustainable Dev. of Kedar Nath Pilgrim Region.
42. Mr. Arvind Kumar: Planning for Solar Energy in Jodhpur City, India.
43. Mr. Manish Sharma: Planning for Transportation in the Walled City Area of Jaipur.
44. Ms. Udayama, C. R.: Planning for Land Use Along the Monorail Corridor in Kozhikode City.
45. Mr. Sanil Kumar: Planning for Sustainable Development of Kuttanad Wetland Region.
46. Ms. Amruta Garud: Planning for Optimal Guidelines for Transit Oriented Dev. In Pune City.
47. Ms. S. Saranya: Planning for Sustainable Dev. of Fort Kochi Heritage Zone in Kerala.
48. Ms. Vandana Patel: Planning for Gomti River Rejuvenation in Lucknow City.
49. Ms. Deepa, P.: Planning for Sustainable Transportation System in Calicut City.
50. Mr. Pradeep, K. K.: Evolving Industrial Waste Management Model in Kanpur City.
51. Mr. Rahul, C.: Planning for Optimal Decentralization of Rural Governance in Malappuram District of Kerala State.
52. Ms. Debaleena Roy: Planning for Adaptation to Climate Change in Faridabad City.
53. Ms. Namia Islam: Planning for Rejuvenation of Handicraft Industry in Lucknow Region.
54. Mr. Sagar Gupta: Planning for Tactical Urbanism in Agra City.
55. Mr. Sarang Gupta: Planning for Sustainable Habitat in Indore City.
56. Ms. Sakshi Agarwal: Redevelopment Planning in Old Delhi City
57. Ms. Chavi Arya: Railway Station Area Development Planning.
58. Ms. Sanghita B: Intermediate Transportation Planning for Dehradun City.
59. Ms. Anchal, R.: Smart City Planning-Chandigarh.
60. Ms. Poonam: Tourism Planning in Bodh Gaya in Bihar State.
61. Mr. Ketan Sonkar: Evaluation of Rating of IIT-Roorkee Campus Under Swachh Bharat Abhiyan.
62. Mr. Abhishek, A.: Planning for Sustainable Dev. of Leh District, Jammu & Kashmir
63. Mr. Mohammad Zaid: Planning for Int. Dev. of Chamoli District, Uttarakhand State.
64. Mr. Niraj, A. C.: Planning for Optimum Use of Public Land in Ahmedabad.
65. Mr. Akshay: Analysis of Climate Change in Kanyakumari District, Tamil Nadu.
66. Ms. Krishnapriya: Sustainable Transportation Planning.
67. Mr. Ravi Chandu: Decentralized Capital City Planning in Andhra Pradesh.
68. Ms. Pragya, A.: MSME Development Planning in Jaipur City.
69. Mr. Chhotu Kumar: Poverty Alleviation Planning, Madhapura District, Bihar.
70. Ms. Nidhi Mehra: Planning for Bidaghat Heritage Development in Jabalpur City.
71. Mr. Yash Raj: Planning for Sustainable Development in Bareilly District.

72.Ms. Simran Sinha: Planning for Sustainable Health Development in Patna City.

B. Postgraduate Degree Thesis (equal to M. Tech. Degree thesis) Under Progress:

1. Mr. Shreedhar: Evolving Planning Methodology.
2. Mr. Kartthik: Regional Planning.
3. Mr. Vipul: Planning for Sustainable Rural Development.

Students Internship Supervised:

1. Ms.Harshita: Bachelor of Planning Internship, University of Petroleum Studies, Dehradun, 2020-21.
2. Mr. Kushal Wanjare: Bachelor of Planning Internship, MANIT-Bhopal, 2022-23
3. Mr. Suprabh Padele: Bachelor of Planning Internship, MANIT-Bhopal, 2023-24

Field Study Supervised:

A. Urban System Based:

1. Planning for Roorkee Town.
2. Planning for Dev Prayag Town.
3. Planning for Khatoli Town.
4. Planning for Mangalore Town.
5. Planning for Gurgaon Town.
6. Planning for Jaipur City.
7. Informal Sectors in Jaipur City.
8. Assessment of Infrastructure in Roorkee Town.
9. Assessment of Haridwar City.
10. Assessment of Saharanpur City.
11. Planning for Rishikesh Town.
12. Assessment of Shimla City.
13. Planning for Shimla City.
14. Planning for Haridwar City.
15. Planning for Puducherry City.
16. Assessment of Auroville Foundation, Puducherry City.
17. Policy Planning for Rishikesh Town.
18. Smart City Planning-Varanasi City.
19. Policy Planning for Leh-Ladak Region, Kashmir.
20. Smart City Planning-Puducherry City.
21. Slums studies in New Delhi City.
22. Slum studies in Govind Puri, New Delhi City.
23. Slum studies in Nizamuddin West, New Delhi City.
24. Slum studies in Kusumpur Padhari, New Delhi City.
25. Slum studies in Seelamour, New Delhi City.
26. Slum studies in Pahadganj, New Delhi City.
27. Slum studies in Mayapuri, New Delhi City.

28. Planning for Ram Nagar Town, U. P. State.

B. Rural System Based:

1. Planning for Sherpur Village.
2. Planning for Paniyala Village.
3. Planning for Rahimpur Village.
4. Planning for Kaliyar Village.
5. Planning for Madhavpur Village.
6. Planning for Hazratpur Village.
7. Planning for Roorkee Community Development Block.
8. Planning for Barhampur Village.
9. Planning for Bahdarpur Saini Village
10. Planning for Beldi Salehnpur Village
11. Planning for Bajuhedhi Village
12. Planning for Sherpur Village
13. Planning for Salehnpur Village
14. Analysis of Laskar Community Development Block
15. Analysis of Roorkee Community Development Block
16. Analysis of Bhadrabad Community Development Block
17. Analysis of Bhagwanpur Community Development Block
18. Evolving Development Plan for Sikkim State
19. Evolving Development Plan for Gorakhpur District.
20. Evolving Development Plan for Human Development in Andra Pradesh.
21. Evolving Development Plan for Jaisalmer District.
22. Evolving Development Plan for Kuttanadu Region.
23. Evolving Development Plan for Bhojpur Region.
24. Evolving Development Plan for Sadara District.
25. Evolving Development Plan for Kendrapara District.
26. The Evolving Development Plan for Rural Region is comprised of Fathepur, Kaushambi, Pratapgarh, and Rae-Bareilly Districts, Uttar Pradesh State.
27. Evolving Development Plan for Kinnaur and Lahaul/Spiti, Himachal State.
28. Evolving Development Plan for Vaishali District.
29. Evolving Development Plan for Warangal District.
30. Evolving Development Plan for Uttarakhand State
31. Evolving Development Plan for Tumkur District.
32. Evolving Development Plan for Raipur Block, Dehradun District.
33. Analyzing Baisoi Village, Dehradun District.
34. Analyzing Sayyed Mazra Village, Near Chhutmalpur, Saharanpur District, U.P. State.
35. Development Index for Evolving Tribal Development Plan in Jharkhand State.
36. Planning for Bhuvneshwar District, Odisha State.
37. Planning for Bathinda District, Punjab State.
38. Planning for Aligarh District, Uttar Pradesh State.
39. Planning for Bagrami, Kabul, Afghanistan.
40. Planning for Nagpur District, Maharashtra State.
41. Planning for Panchkula District, Haryana State.
42. Planning for Kaimur District, Bihar State.
43. Planning for Gwalior District, Madhya Pradesh State.
44. Planning for Amaravati District, Maharashtra State.
45. Planning for Madhavpura District, Bihar State.

46. Planning for Rohtak District, Haryana State.
47. Planning for Rahamatpur Village, Roorkee Taluk, Haridwar District, U. K. State.
48. Planning for Belda Village, Roorkee Taluk, Haridwar District, U. K. State.
49. Planning for Mathura District, Uttar Pradesh State.
50. Planning for Hardiwar District, Uttarakhand State.
51. Planning for Mysore District, Karnataka State.
52. Planning for Shajahanpur District, Uttar Pradesh State
53. Planning for Patna District, Bihar State.
54. Planning for Japalpur District, Madya Pradesh State.
55. Planning for Jodhpur District, Rajasthan State.
56. Planning for Anantapur Village, Haridwar District.
57. Resource Management in Bangalore Rural District, Karnataka State.
58. Resource Management in Patna District, Bihar State.
59. Resource Management in Bhopal District, Madya Pradesh.
60. Resource Management in Dehradun District, Uttarakhand State.
61. Resource Management in Mysore District, Karnataka State.
62. Resource Management in Jaipur District, Rajasthan State.
63. Resource Management in Champawa District, Uttarakhand Stae (By Himani).
64. Resource Management in Champawa District, Uttarakhand Stae (By Vipul).
65. Resource Management in Agra District, Uttar Pradesh.
66. Resource Management in Jashpur District, Chattisgarh State.
67. Resource Management in Lucknow District, Uttar Pradesh State.
68. Resource Management in Faridabad District, Hariyana Dtate.
69. Resource Management in Haridwar District, Uttarakhand State.
70. Resource Management in Varanasi District, , Uttar Pradesh State.

Summer/winter Schools Attended

- Ecology & Environment in Water Resource Development, May 1992.
- Water Management at Micro Level & People's Participation, December 1993.
- Technology Forecasting, January 1994.
- Sustainable Architecture & Planning, 2001.

Expert Committee Member

- All India Council for Technical Education's Expert Committee Member for the Northern Region inspected about a dozen Engineering Institutions.
- Public Service Commission, Govt. of Himachal Pradesh, Shimla, India.
- Public Service Commission, Govt. of Kerala, Trivandrum, India.
- Public Service Commission, Govt. of Punjab, Chandigarh, India.
- CSIR Expert Committee Member in selection of projects.

Ph. D. Degree Examiner

- National Institute of Technology-Tiruchirappalli, Tamil Nadu.
- Maulana Azad National Institute of Technology-Bhopal, Madya Pradesh.

- Malaviya National Institute of Technology-Jaipur, Rajasthan.
- Jawaharlal Nehru Technological University, Hyderabad.
- Annamalai University, Annamalai Nager, Tamil Nadu.
- Anna University, Guindy, Chennai, Tamil Nadu.
- Visvesvaraya Technological University, Karnataka State.
- National Institute of Technology-Rourkela.
- Indian Institute of Engineering Science & Technology, MHRD, Govt. of India, Shibpur, West Bengal, India.
- Jamia Millia Islamia University, New Delhi.
- Alagappa University, Karaikudi, Tamil Nadu.
- SRM University, Chennai.
- Hindustan Institute of Technology & Science (Deemed University), Chennai.
- Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum.

Research Degree Committee/Board of Control/Task Force Member

- Member Prominent (Industrialist/Perspective Employer), Board of Control in Guru Ram Das School of Planning, Guru Nanak Dev University, Amritsar.
- Research Degree Committee Member, School of Planning & Architecture, Vijayawada, India.
- Joint Research Degree Committee Member, School of Planning & Architecture, Delhi, India.
- Research Degree Committee Member, Dept. of Urban Planning, School of Planning & Architecture, Delhi, India.
- Research Degree Committee Member, National Institute of Technology-Hamirpur, Himachal Pradesh.
- Research Degree Committee Member (Architecture discipline), Lucknow University, U. P. State.
- Member, Task Force, Transport 4 All Challenge, Smart City, Dehradun, Uttarakhand State.

Publications

Total Citations: 776 (As of May 01, 2024)

A. Books Published:

1. **Devadas, V.** (2012), "Regional Tourism Development Planning", Lambert Academic Publishing, U.S.A. October 24, 2012, ISBN-10: 3659245704, ISBN-13: 978-3659245701, (Co-author: Dilip Das)
2. **Devadas, V.**, (2023), Sustainable Future Cities-Vol. I (Edited), BlueRose Publishers, Noida, New Delhi, ISBN No. 9357414797
<https://blueroseone.com/store/product/sustainable-future-cities-volume-i>
3. **Devadas, V.**, (2023), Sustainable Future Cities-Vol. II (Edited), BlueRose Publishers, Noida, New Delhi, ISBN No. 9789357414777
<https://blueroseone.com/store/product/sustainable-future-cities-volume-ii>

B. Chapters Published in Books:

1. **Devadas, V.,** (2014),” Analysis to Establish Relationships Among A Subsystems of a Regional System: A Case of Bihar, India” in Govind Chandra Mishra (Edited), “Sustainable Constructivism: Traditional Vis-à-vis Modern Architecture”, Excellent Publishing House, New Delhi, ISBN: 978-93-83083-76-3, 2014, pp 145-152. (Co-author: Rashmi Kumari).
2. **Devadas, V.,** (2014), “Integrated Multi-Model Transportation in India”, Conf. on Changing Spectrum on Human Settlements on Planning Education, GNDU, Amritsar, ISBN 978-93-5053-361-1, March (Co-author: Tejas Rawel).
3. **Devadas, V.,** (2019), “A Solar Intensive Approach for Smart Environment Planning in Gandhinagar, Gujarat”, in Vinod Kumar, T.M. (Edited), Smart Environment for Smart Cities, Springer, Singapore, ISSN 2198-2546, ISBN 978-981-13-6821-9, (Co-authors: Asfa Siddiqui, Dixit K. Joshi, Sami Rehman, and Pramod Kumar).
4. **Devadas, V.,** (2021) "Water Resource Management by using System Dynamics in Ahmedabad city", Taylor & Francis Group, September 17, 2021, ISBN: 9780367553906. (Co-author: Dhaarna).
5. **Devadas V.,** (2021) Sustainable Infrastructure Planning by Using Carrying Capacity Assessment in Gwalior City. In: Iyer-Raniga U. (eds) Sustainability in the Built Environment in the 21st Century: Lessons Learned from India and the Region. SDRAP 2019, Environmental Science and Engineering. Springer, Cham. https://doi.org/10.1007/978-3-030-61891-9_6 (SCOPUS Indexed) (Co-author: Bhagwat J.M.).
6. **Devadas V.,** (2021), Water Lettuce for the Improvement of River Water Quality in Pune Metropolitan Area. In: Pathak K.K., Bandara J.M.S.J., Agrawal R. (eds), Recent Trends in Civil Engineering. Lecture Notes in Civil Engineering, Vol 77. Springer, Singapore. https://doi.org/10.1007/978-981-15-5195-6_67 (SCOPUS Indexed), (Co-author: Bhagwat J.M. & Mahajan, B. V.).
7. **Devadas, V.,** (2022), Crippling Management and People’s participation in the water sector in Megacities- An Evaluation using System Dynamics, In: **Kala S Sridhar, George Mavrotas, (Eds.)** “Urbanization in the Global South: Perspectives and Challenges”, Routledge, Taylor & Francis Group, ISBN 9780367553906 (Co-author: Dhaarna).
8. **Devadas, V.,** (2021) Modelling Climate Change and Glacier Melt for Sustainable Development of a Himalayan Region. In: Kolathayar S., Pal I., Chian S.C., Mondal A. (eds) Civil Engineering for Disaster Risk Reduction. Springer Tracts in Civil Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-16-5312-4_27, **Print ISBN:** 978-981-16-5311-7, **Online ISBN:** 978-981-16-5312-4 (Co-authors: Ramya, S, & Bagodi, V.)
9. **Devadas, V.,** (2022), Modelling Climate Change and Glacier Melt for Sustainable Development of a Himalayan Region, in S. Kolathayar, et. All., (Ed.), Civil Engineer for Disaster Risk Reduction, Springer Tracts in Civil Engineering, Springer Singapore, pp 401-423, doi:10.1007/978-981-16-5312-4_27 (Co-authors: Ramya, S., & Bagodi, V.)
10. **Devadas, V.,** (2022). COVID-19 Pandemic and Urban Air Quality: Delhi Region. In: Vinod Kumar, T.M. (eds) COVID-19, Containment, Life, Work, and Restart. Advances in 21st Century Human Settlements. Springer, (Co-authors: Siddiqui, A., Halder, S., and Kumar, P.), Singapore. https://doi.org/10.1007/978-981-19-6183-0_2.

11. Devadas, V., (2023) “Development of Village Growth Potential Index for Tehri Garhwal District”, Devadas, V., (Ed.), Sustainable Future Cities, Vol. I, BlueRose Publishers, Noida, New Delhi, ISBN: 978-93-5741-479-1 (Co-author: Sakkeri Ramya).
12. Devadas, V., (2023) “Cloud-Based Solar Energy– GIS System In India”, Devadas, V., (Ed.), Sustainable Future Cities, Vol. I, BlueRose Publishers, Noida, New Delhi, ISBN: 978-93-5741-479-1 (Co-author: Kumar Arvind).
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3. Research Papers Presented in International & National Seminar/Conferences:

1. Multipurpose Energy Resource Development in Kanyakumari District, Tamil Nadu, New Delhi, 1989.
2. Application of Operations Research Techniques in Planning, University of Roorkee, Roorkee, 1996.
3. Waste Management in Thiruvananthapuram city, Thiruvananthapuram, 1996.
4. Rural Energy System: A Case of Kanyakumari District, Tamil Nadu, Chennai, 1997.
5. Integrated Renewable Energy System for Self-Sustainable Electric Power in Remote Villages of Developing Countries, Chennai, 1997.
6. Planning for Environmental Control & Management, Roorkee, 1997.
7. Waste Resource Assessment in Thiruvananthapuram City, Roorkee, 1997.
8. Estimation of Levels of Development in Rural District of Lucknow, Roorkee, 1997.
9. Technologies for Recycling Urban Wastes, Roorkee, 1997.
10. Capacity Excited A. C. Generations for Small Scale Power Planning In Remote Areas of Developing Countries, Roorkee, 1997.
11. Private Sector Housing: Recent Trends in Kochi City, Roorkee, 1997.
12. Significance of Information Network System in Planning Education, Mysore, 1997.
13. An Estimation of Correlation for the Output of a Solar Photovoltaic Pump, Indore, 1999.
14. Impact of Socio-economic factors on Energy Consumption in Rural Hilly areas, Indore, 1999.
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18. Energy Management in an Urban System, CBRI, Roorkee, 2003.
19. National Housing Policy: A Critical Appraisal, CBRI, Roorkee, 2003.
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24. Traditional Construction Materials and Technologies of Kerala, I.I.T., Kharagpur, 2004.
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27. Substitute for Acid Using Natural Products in Rubber Latex Coagulation, I.I.T., Kgp, 2004.
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44. Rejuvenation of Informal Neighborhood: A Case of Indore City, India, Hawaii, USA, 2008.
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46. Strategies for Infrastructure Provisions in Puducherry City, ITPI Conference, Nagpur, 2010.
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53. Transit Oriented Development and Neighborhoods, MNIT, Jaipur, 2014.

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67. Application of System Dynamics in Urban Planning Curriculum. ITPI Seminar, IITR-2018.
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79. Modelling the Complex and Dynamic Urban System, 38th International Conference of the System Dynamics Society, Bergen, Norway, 2020.

80. Role of Higher Educational Institutions in Micro Level Planning & Development, Gandhigram Rural Institute (2022), Organized by Prof. Venkat Ravi).
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82. Intelligent Transport System for Sustainable Mobility Smart Cities, Int. Conf., Anna University, Chennai, 2024, (Co-author: Saurabh Jindal).
83. Artificial Intelligence (AI) in Sustainable Urban Governance, Simulating Urban Decentralization in India @2047, 184-194, (Co-author: Saurabh Jindal).
84. Devadas, V., (2020), “Modelling the Complex and Dynamic Urban System”, International Conference of the System Dynamics Society.

Television Capsules

- Scripted a few television capsules based on Science and Technology for the Sastrakauthukum program of the Trivandrum Doordharson (Indian National Television), based on scientific research, 1995-96.

International Video Festival

- Organizing Member, International Video Festival, Center for Development of Imaging Technology, Trivandrum, 1995.

International Conference

- **Chairman, Urban Planning Session**, 6th Hawaii International Conference on Arts & Humanities, Waikiki, Hawaii, USA., January 11-14, 2008.
- **Joint Organizing Secretary**, International Conference on Planning for 21st Century, Indian Institute of Technology-Roorkee, Roorkee, October 02-04, 1997.
- **Chairman, Sustainable Development Planning Session**, International Conference on Urban Sustainability: Emerging Trends, Themes, Concepts & Practices (ICUS 2018), MNIT-Jaipur, Jaipur, March 2018.
- **Convener, International Conference on Future Cities (ICFC-2019)**, held in IIT-Roorkee, India, December 11-13, 2019.

References

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- **Prof. K. Thirumaran**, Professor & Former Head, Dept. of Architecture, National Institute of Technology-Trichy, Tanjore Main Road, NH-67, Near BHEL, Tiruchirappalli, Tamil Nadu-620015, Phone: +91 98940 18599 (Cell), e. mail: thiru731@gmail.com & ktm@nitt.edu

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