

Bio-Data

Name: Dr. V. Devadas

Specialization: Development Planning (Urban & Rural Development Planning)

Present Position: Professor, Indian Institute of Technology (I.I.T.) - Roorkee.

Address (present): Department of Architecture & Planning, Indian Institute of Technology (I.I.T), Roorkee - 247 667, Uttarakhand State, India, Fax: 01332- 273560, Phone: 01332-285298 (O), 01332-285155 @, +91 9411111375 (cell),
e. mail: valanfap@iitr.ac.in & devadasv59@gmail.com

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

Date of Birth: June 15, 1959.

Sex: Male.

Nationality: Indian

Scale of Pay: Level 14 A, Present Basic Pay Rs. 201600/=

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.
- **Winner, Khosla Research Prize (first prize)**, Indian Institute of Technology, Roorkee.
- Qualified U.G.C.'s National Educational Test (NET), 1985.
- Awarded Indian Institute of Technology, Kharagpur's **Fellowship** for doing Doctorate Degree.
- Awarded Gandhigram Rural University **Fellowship** for pursuing M. Phil. Degree.

Administrative Experience:

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

I had been working as **Chief**, Decentralized Planning, **State Planning Board**, Government of Kerala, India, since May 2004 to March 2005, and done commendable work pertain to administration, involved in 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 **Professor (Development Planning)** in the Dept. of Architecture & Planning, **Indian Institute of Technology-Roorkee**, India, since the year 2014; working as Associate Professor from 2005 – 2014; and also working as Assistant professor since 1996-2004 in the same department. I have been handling the following subjects, such as, Housing, Ecology, Urban Dynamics, Urban & Rural Economics, Urban Land Economics, Urban Planning Design, Planning Legislation, Int. Rural Development, Regional Planning, Planning Theories & Techniques, Tech. Communication, etc., at the P. G. & doctoral levels. Besides these, I had been handling Building Economics subject at the U. G. level for few semesters in the department.

Visiting Fellow

- I had been working as Visiting Fellow under the U.G.C.'s Visiting Fellow Scheme in 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) period.

Member in Organizations:

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

Principal Investigator in Projects

- Urban Observatory Project for Ramnagar 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.
- Television Research & Production, Center for Development of Imaging Technology (C-DIT), Thiruvananthapuram.

Research Experience

- Engaged in Survey Research since the year 1982.

Teaching & Research Experience:

- National Institute of Bank Management, Bombay, for four months in 1984.
- Program for Human Development (NGO), as Project Officer, for 1 ½ year 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 year in 93-95.
- Center for Development of Imaging Technology, Research trainee, for 14 months, 1995-96.
- Indian Institute of Technology – Roorkee, as 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, since April 2005-April 2014.
- Indian Institute of Technology-Roorkee, Professor, since April 2014 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.
2. Dr. K. Ravi: Planning for Infrastructure Provision in New Delhi City.
3. Dr. L. Mathew: Policies for Residential Land Utilization in Kochi City.
4. Dr. Ruchita Garg: Shelter Strategies for the Homeless, Delhi City.
5. Dr. E. Fernandez: Modeling Decentralized Integrated Rural Energy System.
6. Dr. Salim, A: Planning for Integrated Development of Thiruvananthapuram City.
7. Dr. Sunil Edward: Christian Architecture of Kerala State.
8. Dr. Dillip K. Das: Planning for Tourism Development in Orissa State.
9. Dr. Sanjay K. Sonar: Planning for Int. Development of Info Tech. City-Pune, India.
10. Dr. Hina Zia: Infrastructure Management in a Metropolitan City-Kanpur, India.
11. Dr. Chavan, M. K.: Planning for Optimal Transportation System in Bangalore City.
12. Dr. Satish Pipralia: Financial Management in Jaipur City, India.
13. Dr. Rashmi Kumari: Planning for Sustainable Development in Patna Region, India.
14. Dr. Nand Kumar: Energy Management in Jaipur City.
15. Dr. Tejas Rawal: Planning for Optimal Transportation System in Kanyakumari Dt. (T.N.).
16. Dr. Pooja Nigam: Land Management in Jaipur City.
17. Dr. Tina Pojara: Exploring the Association of Neighborhood Design with Happiness.
18. Dr. Niruti Gupta: Planning for Sustainable Development in Lucknow District, India

B. Ph. D. Degree Theses Under Progress:

1. Mr. Manoj Panwar: Modeling Urban Physics.
2. Mr. Arvind Kumar: Planning for Energy Efficient Smart City-Jodhpur, India.
3. Mr. Pramod Pal: Planning for Smart City-Varanasi, Uttar Pradesh.
4. Ms. Ramya, S.: Climate Change and Glazier Melting in Upper Himalayas.
5. Mr. Sanil Kumar: Wetland Planning in Kerala State.
6. Mr. Pankaj: Planning for Smart City-Dehradun, Uttarakhand State.
7. Ms. Vandana P.: Planning for Public Health System in U. P. State.
8. Mrs. Asfa Siddiqqi: Remote Sensing Application in Planning.
9. Ms. Dhaarna Singh: Policy Planning.

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 Gaziabad City.
5. Mr. Lokesh. G: Planning for Sustainable Development of Pondichery 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 Kolkatta City.
13. Mr. Khan A. R.: Planning for Rejuvenation of Cottage Industries in Aligarh City.
14. Mr. Vaibhav: Planning for Special Economic Zone (SEZ) in U. P. State Capital Region.
15. Mr. Adinarayanane: Planning for Integrated Development of Puduchery 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 Karnool District, (A. P.).
20. Ms. Rashmi Kumari: Planning for Sustainable Development of Patna Region.
21. Ms. Debapriya Guha: Planning for Integrated Development of Tinsukia District, Assam.
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 Amarawathi 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 District, UP State
41. Mr. M. Pratap Singh: Planning for Sustainable Development of Kedarnath 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, India.
44. Ms. Udayama, C. R.: Planning for Land Use Along the Monorail Carridor 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. Vanadana 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.

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

1. Ms. Sakshi Agarwal: Redevelopment Planning in Old Delhi City
2. Ms. Chavi Arya: Railway Station Area Development Planning.
3. Ms. Sanghita B: Intermediate Transportation Planning for Dehradun City.
4. Ms. Anchal, R.: Smart City Planning-Chandigarh.
5. Ms. Poonam: Tourism Planning in Bodh Gaya in Bihar State.

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 Managalore 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 Sharanpur 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.

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 Andhra Pradesh.
21. Evolving Development Plan for of 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. Evolving Development Plan for Rural Region comprises 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 Vaisahali 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, Sharanpur District, U.P. 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 Northern Region and inspected about a dozen Engineering Institutions.

Examiner

- Ph. D. Degree Research Examiner, National Institute of Technology-Thiruvirapalli, Tamil Nadu.
- Ph. D. Degree Research Examiner, National Institute of Technology-Hamirpur, H. P.

- Ph. D. Degree Research Examiner, Malaviya National Institute of Technology-Jaipur, Rajasthan.
- Ph. D. Degree Research Examiner, Jawaharlal Nehru Technological University, Hyderabad.
- Ph. D. Degree Research Examiner, Annamalai University, Annamalai Nager, Tamil Nadu.
- Ph. D. Degree Research Examiner, Anna University, Guindy, Chennai, Tamil Nadu.

Publications

A. Book 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: Dillip Das)
2. **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).

B. Research Papers Published:

1. Research Papers Published in Foreign Journals/Technical Reports:

1. **Devadas, V.,** 1997, "Rural System Model for Micro Level Development", Energy Sources, Taylor & Francis Ltd., U. S. A., Vol. 19, No. 6, Pp 593 – 612.
2. **Devadas, V.,** 1997, "A Linear Programming Model for Optimum Resource Allocation in Rural System", Energy Sources, Taylor & Francis Ltd., U. S. A., Vol. 19, No. 6, Pp 613 - 622.
3. **Devadas, V.,** 1997, "Micro Level Planning - Part I: Forecasting The Future Scenarios", Energy Sources, Taylor & Francis Ltd., U. S. A., Vol. 19, No. 6, Pp 623 - 634.
4. **Devadas, V.,** 1997, "Micro Level Planning - Part II: Impact Analysis Through Scenarios", "Energy Sources", Taylor & Francis Ltd., U. S. A., Vol. 19, No. 6, Pp 635 - 642.
5. **Devadas, V.,** 2001, "Planning for Rural Energy Systems: Part – I", Renewable and Sustainable Energy Reviews, Elsevier & Pergamon, U.S.A., Vol. 5/3, Pp 203 – 226.
6. **Devadas, V.,** 2001, "Planning for Rural Energy Systems: Part – II", Renewable and Sustainable Energy Reviews, Elsevier & Pergamon, U.S.A., Vol. 5/3, Pp 227 - 270.
7. **Devadas, V.,** 2001, "Planning for Rural Energy Systems: Part – III", Renewable and Sustainable Energy Reviews, Elsevier & Pergamon, U.S.A., Vol. 5/3, Pp 271 - 297.
8. **Devadas, V.,** 2003, "Socio-economic Factors: Effect on Energy Consumption Pattern in Rural Hilly Areas", Nigerian Journal of Renewable Energy, Vol.10, Nos. 1&2, pp.124–131 (co-authors: Saini, R. P. & E. Fernandez).
9. **Devadas, V.,** 2005, "Relative Inequality in Energy Resource Consumption: A Case of Convashram Village, Pauri Garhwal District, Uttaranchal (India)", Renewable Energy, Elsevier, U.S.A., Vol. 30 (2005), pp. 763-772 (co-authors: E. Fernandez & R. P. Saini).
10. **Devadas, V.,** 2007, "Municipal Solid Waste Management in Kanpur, India: Obstacles and Prospects", Management of Environmental Quality: An International Journal, Emerald Group Publishing Limited, Bradford, U. K., Vol. 18, No. 01, pp 89-108 (co-author: Hina Zia).
11. **Devadas, V.,** 2007, "Energy Management in Lucknow City", Energy Policy, Elsevier, U.S.A., Vol. 35/10, pp 4847-4868 (co-author: Hina Zia).
12. **Devadas, V.,** 2008, "Urban Solid Waste Management in Kanpur: Opportunities and Perspectives", Habitat International, Elsevier Publishers, Vol. 32, Issue 1, pp 58-73 (co-author: Hina Zia).

13. **Devadas, V.**, 2008, "Assessing Informal Waste Recycling in Kanpur City, India" Management of Environmental Quality: An International Journal (MEQ), Emerald Publishers, United Kingdom, Vol. 19, Issue 5. (co-authors: Hina Zia & S. Sukhla)
14. **Devadas, V.**, 2002, "Infrastructure Provisions in Trivandrum City, Kerala State, India", Technical Report on Human Rights and Towns, University of Valladolid, Spain, pp. 53-58 (co-Author: Salim, A.)
15. **Devadas, V.**, 2002, "Government Programs for Slum Improvements in India: A Critical Review", Technical Report on Human Rights and Towns, University of Valladolid, Spain, pp. 63-73 (co-Author: Pipralia, S.).
16. **Devadas, V.**, 2015, "Exploring the Planning Design Opportunities for Road Transportation Network of Kanyakumari District, Tamil Nadu, India", International Journal of Built Environment and Sustainability, Vol. 2, Issue 3, pp 150-157, E-ISSN: 2289-8948, ISSN: 1511-1369, Faculty of Built Environment, Universiti Teknologi Malaysia, Malasiya (co-author: Tejas Rawal).
17. **Devadas, V.**, 2016, "Integrated Planning for Sustainable Development of Kuttanad Wetland Region, Kerala State", Procedia Technology 24 (2016)1660-1667, Science Direct, Elsevier, U.S.A, (co-author: Sanil Kumar).
18. **Devadas, V.**, 2016, "Integrated Planning for Sustainable Development of Kuttanad Wetland Region, Kerala State", Procedia Technology 24 (2016) 1660-1667, Science Direct, Elsevier, U.S.A., (co-author: Sanil Kumar).
19. **Devadas, V.**, 2018, "Analyzing Land Surface Temperature Trends Using Non-parametric Approach: A Case of Delhi, India", Science Direct, Urban Climate 24 (2018) 19-25, Elsevier, U.S.A., (co-authors: Manoj Panwar & Avlokita Agarwal).

2. Research Papers Published in Indian Journals:

1. **Devadas, V.**, 1997, "Waste Management", Kerala Calling, Government of Kerala, Trivandrum.
2. **Devadas, V.**, 2004, "An Anatomy of Christian Architecture in Kerala", Journal of Council of Architecture, New Delhi (Co-Authors: Shankar, R. & Sunil Edward).
3. **Devadas, V.**, 2005, "Indigenous Church Architecture", a + d – Journal of Indian Architecture, Vol. XXII, No. 5, May, pp – 48 – 53, New Delhi (Co-Authors: Shankar, R. & Sunil Edward).
4. **Devadas, V.**, 2006, "Information Technology Revolution: A Spatial Planners Perspective", Spatio-economic Development Record, New Delhi, Vol. 13, No. 3, May – June, pp 35-39 (Co-Author: Sonar Sanjay Kumar, G.).
5. **Devadas, V.**, 2006, "Management of Solid Wastes in Urban Settlements: A Case Study Kanpur City", Journal of the Institute of Town Planners-India, New Delhi, Vol. 3, No. 3, pp 59-66 (Co-Author: Hina Zia).
6. **Devadas, V.**, (2006), "Municipal Solid Waste Management in Kanpur City", Nagarlok, New Delhi, Vol. XXXVIII, No. 4, pp 20-31 (co-author: Hina Zia).
7. **Devadas, V.**, (2007), "Integrated Development Plan: A Scientific Approach", Journal of Indian Building Congress, New Delhi, Vol. 14, No. 1, pp 35-42 (co-author: Nand Kumar).
8. **Devadas, V.**, (2008), "Emergence of Information Technology Industry in Indian Cities", Journal of the Institute of Town Planners-India, Vol. 5, No. 1, PP 66-72 (co-author: Sonar Sanjay Kumar, G.).
9. **Devadas, V.**, (2010), "Vernacular Habitat in Indian Rural System", Architecture, Time, Space & People, Vol. 10, No. 09, Pp-34-41 (co-author: Mekhala Saha).
10. **Devadas, V.**, (2011), "Planning for Special Economic Zone: A Regional Perspective", Journal of the Institute of Town Planners-India, Vol. 8, No. 02, Pp 53-58 (co-author: Vaibhav Gupta).

11. **Devadas.,** (2013), “Analysis of National Highway-47 in Kanyakumari District, Tamil Nadu” Journal of the Institute of Town Planners-India, Vol. 10, No. 03, Pp 33-65 (co-authors: Nand Kumar & Tejas Rawal).
12. **Devadas, V.,** (2014), “An Evaluation of the Land Management in Indian Metropolitan Cities: A Case of Jaipur City, India”, Asian Journal of Research in Social Science & Humanities, Asian Research Consortium, New Delhi, Vol. IV, No. V, pp. 111-118, ISSN 2250-1655 (Co-author: Pooja Nigam).
13. **Devadas, V.,** (2014), “An Assessment of the Urban Infrastructure in Residential Areas of Indian Metro Cities: A Case Study of Jaipur City”, International Journal of Multidisciplinary Approach and Studies, Vo. 01, No. 4, PP 31-39, July-August, ISSN No. 2348-537X, New Delhi, (Co-author: Pooja Nigam).
14. **Devadas, V.,** (2014), “Postulates for Spatial Planning of Haridwar City”, Journal of the Institute of Town Planners-India, Vol.11, No. 2, April-June, pp 9-23, ISSN No. 0537-9679 (Co-author: Najammuuddin).
15. **Devadas, V.,** (2014), “Planning for Integrated Tourism in Bihar State”, Journal of the Indian Institute of Architects, Vol. 79, Issue 8, August, pp 28-35, ISSN No. 0019-4913, Mumbai, (Co-author Ar. Kamna Karan).
16. **Devadas, V.,** (2015), “Intelligence Transportation System In India-A Review”, Journal of Development Management and Communication, Vol. II, No. 3, July-September, ISSN 2348-7739, pp. 299-308, Jaipur (Co-author: Tejas Rawel).
17. **Devadas, V.,** (2016), “Energy Management for Smart Habitat”, Journal of Indian Building Congress, New Delhi, Vol. 23, No. 02, 2016, ISSN 2349-7475, pp. 159-166 (co-authors: Nand Kumar & Manoj Panwar).
18. **Devadas, V.,** 2016, “An Insight in to the Economic Growth Pattern and Attaractiveness of the Lucknow District”, International Journal of Multidisciplinary Approach and Studies, ISSN No. 2348-537X, Vol. 03, No. 4, July –Aug., pp 54-63 (Co-author: Niruti Gupta).

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.
15. Water Resource Management for Optimal Agricultural Production in the Rural System, 2001.
16. Energy Resource Demand in A Rural Setup: Role Of Some Economic Consideration, 2001.
17. Impact of Technology in Development of Hill Areas, 2001.

18. Energy Management in an Urban System, CBRI, Roorkee, 2003.
19. National Housing Policy: A critical Appraisal, CBRI, Roorkee, 2003.
20. Optimal Finance Strategies for Housing Development, CBRI, Roorkee, 2003.
21. Strategies for Provision of Infrastructure in Urban System, CBRI, Roorkee, 2003.
22. Low Cost House Construction Materials and Appropriate Technology, CBRI, Roorkee, 2003.
23. Development of Hill Capitals: Shimla, ITPI, 2003.
24. Traditional Construction Materials and Technologies of Kerala, I.I.T., Kharagpur, 2004.
25. Traditional Church Architecture of Kerala, I.I.T., Kharagpur, 2004.
26. Planning for Development of Inland Waterways of Kerala, I.I.T., Kharagpur, 2004.
27. Substitute for Acid Using Natural Products in Rubber Latex Coagulation, I.I.T., Kgp, 2004.
28. Biomass and Sustainable Energy, I.I.T., Kharagpur, 2004.
29. Stakeholders Participation and Partnerships in Integrated Tourism Development, Indore, 2004.
30. Urbanization in the Context of Information Technology Revolution, Mumbai, 2004.
31. Planning for Appropriate Infrastructure for Sustainable Eco-tourism Development in Protected Hill Areas, Mussouri, 2005.
32. Strategies for Stakeholders Participation and Partnership of Sustainable Eco-tourism Development in Protected Areas, Mussouri 2005.
33. Urbanization Process in Bhubaneswar, the Capital City of Orissa State, Bhubaneswar, 2005.
34. Rethinking Sustainable Delhi Development, Delhi, 2005.
35. Integrated and Equitable provision of Infrastructure through JNNURM: A Dream or Reality, ITPI Conference, 2006.
36. Emerging Urban Pattern in the Context of Information Technology Revolution, Central Institute of Road Transport, Pune, 2005.
37. Role of ICT's on Transportation Planning in Pune City, India, Central Institute of Road Transport, Pune, 2005.
38. Solid Waste Management in Kanpur City, Hubli, Karnataka, 2006.
39. Problems and Prospects of Transportation in Banagalore City, India, Kolkata, 2007.
40. Planning for Sustainable Development in an Urban System, Nagpur, 2007 (keynote address).
41. Application of System Dynamics in Management of Real Estate Industry, Banarus, 2008.
42. Transportation Planning for Integrated Development of Bangalore Metropolitan Region, Banarus, 2008.
43. Planning for Optimal Road Transportation in Hassan City, Karnataka State, Ahmednagar, 2008.
44. Rejuvenation of Informal Neighborhood: A Case of Indore City, India, Hawaii, USA, 2008.
45. Urban Poverty and the Inherent Issues, ITPI Conference, Nagpur, 2010.
46. Strategies for Infrastructure Provisions in Puduchery City, ITPI Conference, Nagpur, 2010.
47. Shelter Provisions in Bhopal City, ITPI Conference, Nagpur, 2010.
48. Slum as an Integral Part of Urban System - A Case Study of Kolkata City, India, ITPI Conference, Nagpur, 2010.
49. Role of Technology Management in Development, IISc Bangalore, 2012.
50. Urban land Management: The Retrospect of Three Metropolitan Cities in India, IISc Bangalore, 2012.
51. Sustainability Assessment of Ahmedabad Bus Rapid Transit System, National Conference of Sustainable Cities in Arid Region, MNIT-Jaipur, December 26-28, 2012.
52. Analysis of Inter-regional Disparity in India, India Business Academy, New Delhi, 2013.
53. Transit Oriented Development and Neighborhoods, MNIT, Jaipur, 2014.
54. Good Governance in Calicut District, Kerala: An Analysis of Role of E-Governance for Good Governance, KILA, 2014.
55. Innovations in Decentralizations in Kerala, KILA, 2014.
56. Municipal Financial Management in Jaipur City, KILA, 2014
57. Systems Approach to Redevelopment of Slums, Keynote Address, MNIT-Jaipur, 2017.

58. Waste to Energy for Sustainable Urban Development: A System Dynamics Approach, ISPER, 2017.
59. Wetland Planning and Its Role in Resilience-A Study of Kuttanad Wetland Region, ISPER, 2017.
60. Analysis of Domestic Electrical Energy Consumption and Appliances in Jodhpur City, ISPER, 2017.
61. Energy Management in Jodhpur City, GRI, 2018.
62. Sustainable Development Planning in an Urban System, Keynote Address, International Conference, MNIT, Jaipur, 2018.
63. Vertical Development-Dehradun, MNIT, Jaipur, 2018.
64. Application Of System Dynamics In Urban Planning Curriculum. ITPI Seminar, IIT Roorkee-2018.
65. Smart City Planning- Dehradun City. ITPI Seminar, IIT Roorkee-2018.
66. Modeling Climate Change and Glacier Melt for Sustainable Development of a Himalayan Region. ITPI Seminar, IIT Roorkee-2018.
67. Rooftop Based Solar Energy Planning in Jodhpur City. ITPI Seminar, IIT Roorkee-2018.

Television Capsules

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

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.

References

- **Prof. Yash Pal Singh (former Head, Dept. of Electrical Engineering., IIT-Kharagpur)**, 104/47, Silver Oak Apartment, DLF City, Gurgaon-122 002, India, Phone: 9873245452 (Cell), 0124-2356379 @, e. mail: ypskgpian@rediffmail.com
- **Prof. N. Sukavanam**, Head, Dept. of Mathematics, Indian Institute of Technology-Roorkee, Roorkee-247 667, Hardwar District, Uttarakhand State, India, Phone: 08126154755 (cell), 01332-285341 (O), 01332-285271 @, e. mail: nsukavanam@gmail.com & nsukvfma@iitr.ernet.in
- **Prof. Surjit Singh**, Director General, Institute for Spatial Planning and Environment Research, C-1, Amravati Enclave Kalka- Shimla Highway, Panchkula, Haryana State-134107, India, E. mail: isperonline@gmail.com, isper.isper@rediffmail.com, Phone: +91 1733 261 939, +91 92150 14411

(V. Devadas)