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ASSOCIATE PROFESSOR & DEAN,
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Gender: Male.

Nationality: Indian

Age: 58 years.

Marital Status: Married.

Languages known: English, Hindi and Bengali.

Qualifications:

- B. ARCH. 1984, BHOPAL UNIVERSITY, BHOPAL.
- Post Graduate DIPLOMA in ENGLISH LANGUAGE, 1988, RAVISHANKAR UNIVERSITY, RAIPUR.
- M. ARCH. (By Research), 2004, NAGPUR UNIVERSITY, NAGPUR.
- PhD.2020, R.T.M.N.UNIVERSITY, NAGPUR.

Awards:

- Justice Mahapatra Award for research by Rotary Club of Raipur Central, Raipur, 1995.
- A3F Teacher Award, A3 Foundation, Chandigarh, 16.02.2019.
- Award for valuable contribution in Engg.& Technology, The Institution of Engineers (India) Chhattisgarh State Centre, Raipur, 29.05.2019.

Career Details:

Architect, Kotgirwar Associates, Bhopal (01.10.1984-30.10.1984)

Design of Nursing Home, Residences, Shopping Centre at Bhopal.

Part Time Lecturer, Department of Architecture, Govt. Engg. College, Raipur (30.10.1984-30.12.1984)

Teaching Design, Building Construction to B. Arch. students.

Project Officer (Architectural), M.P. Consultancy Organisation, Raipur (02.01.1985-18.04.1985)

Preparing Industrial project reports for submission to financial institutions.

Adhoc Lecturer, Department of Architecture, Govt. Engg. College, Raipur 18.04.1985-28.05.1987

Teaching Architectural subjects (Design, Climatology, Building Construction) to B. Arch. students. Teaching Building Drawing to B.E. Civil (PTDC) students.

Lecturer, Department of Architecture, Govt. Engineering College, Raipur 28.05.1987–28.05.1995

Teaching Architectural subjects (Town Planning, Architectural Design, Building Materials & Construction, Graphics) to B. Arch. students. Research on Housing.

Senior Lecturer, Department of Architecture, Govt. Engg. College, Raipur 28.05.1995-28.05.2000

Teaching Architectural subjects (Town Planning, Design, Building Materials & Construction, Graphics), Research on Housing.

Selection Grade Lecturer, Department of Architecture, Engg. College, Raipur 28.05.2000-22.05.2003

Teaching Architectural subjects (Building Construction, Design, Energy Efficient Architecture, Graphics), Guided Thesis projects of Final Year B. Arch., Research on Housing.

Under Secretary, (Technical Education) Govt. of Chhattisgarh, Raipur 23.05.2003-23.02.2005

Administrative work.

Selection Grade Lecturer, Deptt. of Architecture, Govt. Engg. College, Raipur 24.02.2005-30.11.2005

Teaching Architectural subjects (Building Construction, Architectural Design, Modern Architecture) to

B. Arch. Students, Research on Housing. Guided Thesis projects of Final Year B. Arch.

Selection Grade Lecturer, Deptt. of Architecture, National Institute of Technology Raipur

01.12.2005-31.12.2005

Teaching Architectural subjects (Building Construction, Architectural Design, Modern Architecture, Energy Efficient Architecture, Intelligent Buildings), Research on Housing. Guided Thesis projects of Final Year B. Arch.

Associate Professor, Deptt. of Architecture, National Institute of Technology Raipur 01.01.2006-

22.05.2006, 15.07.2008-09.09.2011, 09.09.2013-03.09.2018, 21.09.2020-24.02.2023

Teaching Architectural subjects (Building Construction, Architectural Design, Modern Architecture, Energy Efficient Architecture, Intelligent Buildings, Earthquake Resistant Architecture), Research on Housing. Guided Thesis projects of Final Year B. Arch.

Associate Professor & Registrar, Department of Architecture, National Institute of Technology Raipur

22.05.2006-17.11.2007

Administrative work.

Principal, Guwahati College of Architecture 19.11.2007-14.07.2008

Teaching Architectural subjects (Building Construction, Architectural Design, Environmental Science), Administrative work, Research on Housing.

Associate Professor & Head of Department of Architecture, National Institute of Technology Raipur

09.09.2011-09.09.2013, 03.09.2018- 21.09.2020

Teaching Architectural subjects (Building Construction, Architectural Design), Research on Housing. Guided Thesis projects of Final Year B. Arch., Administrative work.

Associate Professor & Dean (FW), National Institute of Technology Raipur 24.02.2023 onwards

Teaching Architectural subjects (Building Construction, Architectural Design), Research on Housing. Guided Thesis projects of Final Year B. Arch., Administrative work.

Key Note Speech delivered :

1. SELF SUFFICIENT HOUSING: A SUSTAINABLE APPROACH FOR RURAL HOUSING, National Workshop on Strategy for New State Housing Policy, Bhopal, 01.10.2004, pp22-26.
2. DEVELOPMENT OF HEALTHY SUPER TALL HOUSING: ARCHITECTURAL IMPLICATIONS, the Subtropical Green Building International Conference 2005 on "New Technologies and Issues of Subtropical Green Building", Taipei, 22.11.2005.
3. NEED FOR DEVELOPING INTELLIGENT AND SUSTAINABLE HIGH-RISES IN THE ASIAN CONTEXT, Smart Buildings India Summit 2013, Mumbai, 04.10.13.
4. NEED OF INTELLIGENT STRATEGIES FOR SMART CITIES IN INDIAN CONTEXT, National Conference on Innovation in Engineering, Bilaspur, 28.02.2015.

Research Papers Published in Journals:

- 1.D. Sanyal, Industrialised Mass Housing In Urban Areas Of India, Architects India, Vol.7, No.5, Bombay, (Sept.-Oct. 1995), pp10-12.
- 2.D. Sanyal, Self Sufficient Housing: Searching Of Parameters, Architects India, Vol.7, No.6, Bombay, (Nov.-Dec. 1995), pp26-27.
- 3.D. Sanyal, Development Of Mass Housing In Intelligent Tall Buildings In Indian Context, Vol.8, No.2, Architects India, Bombay, (March-April 1996), pp20-22.
- 4.D. Sanyal, Super Tall Buildings: Exploring the Architectural Challenges, Journal of Ravishankar University, Vol.9, Raipur, ISSN 0970-5910, (1996), pp1-10.
- 5.D. Sanyal, Super Tall Buildings: The Socio-Psychological Implications, Architects India, Vol.8, No.4, Bombay, (July-Aug. 1996), pp25-27.
- 6.D. Sanyal, Development Of Mass Transit System Of The Future: Exploring The Architectural Challenges, Architects India, Vol.8, No.5, Bombay, (Sept-Oct. 1996), pp21-23.

- 7.D. Sanyal, Identifying Architectural Design Parameters For Energy Conservation In Mass Housing: A Study, Research link, Special issue on Renewable Energy: Potential & Sustainable development, 42(A), Vol. VI (7), Gwalior, (September 2007), ISSN 0973 – 1628, pp137-143.
8. D. Sanyal, Dr. R.K. Bhargava, Identifying Various Building Materials suitable for Industrialised Mass Housing in India, ABACUS (Monsoon 2014) Vol.9, 2, ISSN 0973-8339, pp12-19.
9. D. Sanyal, Dr. R.K. Bhargava, A Study of Suitability Of Prefabrication For Affordable Urban Mass Housing In India, International Journal of Housing and Human Settlement Planning, Journals Pub (2015) Vol.1, 2, ISSN: 2455-8516 (online), pp1-11.
10. D. Sanyal, Dr. R.K. Bhargava, Need of Modular Coordination and Standardization in Design and Construction of Urban Mass Housing In India, International Journal of Housing and Human Settlement Planning, Journals Pub (2016) Vol.2, 1, ISSN: 2455-8516 (online), pp1-7.
11. D. Sanyal, Dr. R.K. Bhargava, Dr. Alok Ranjan, A Comparison between various Prefabricated systems for affordable LIG Housing in India, Journal of the Indian Institute of Architects, 2016 February-March, Vol.81,02-03, ISSN-0019-4913, pp35-39.
12. D. Sanyal, Development of Sustainable City In Developing Countries: An Architect's Perspective, International Journal of Biological, Ecological and Environmental Sciences (IJBEES) Vol. 5, No. 1, 2016, ISSN 2277 – 4394, pp34-38.
13. D. Sanyal, Suitability of Prefabricated RCC Construction for Mass Housing in India, Nirman Sarika, Building Materials & Technology Promotion Council, Ministry of Housing & Urban Poverty Alleviation, Government of India, New Delhi, Special Issue (July-September 2016), Vol.5, Issue3, pp28-31.
14. D. Sanyal, Dr. R.K. Bhargava, Advantages of RCC Prefabricated Systems for Affordable LIG Housing In India, International Journal of Housing and Human Settlement Planning, JournalsPub (2017) Vol.3, 1,eISSN: 2455-8516 (online), pp39-46.
15. D. Sanyal, Determining Major Strategies for Smart City Development In India: An Architect's Perspective, Proceedings of 16th International Conference on Researches in Science & Technology (ICRST), 14-15 July 2017, Bali, International Journal of Science and Technology ISSN 2454-5880, pp2.
16. Dr. D. Sanyal, Dr. H. D. Diwan, Dr. S. S. Bhadauria, Dr. Praveen Kadwe, Strategic Military Importance and architecture of ancient Rani Durgawati Monolithic rock fort of Gondwana Kingdom, Madan Mahal hill, Jabalpur, India, International Journal of Creative Research Thoughts, Vol.8, Issue 10, October 2020, ISSN 2320-2882, pp1110-1122.
17. Arpita Bisen, Debashis Sanyal. Techniques Used in Water Efficient Buildings. International Journal of Sustainable Building Technology 2020; 3(2), pp37–44.
18. Dr. D. Sanyal, Dr. H. D. Diwan, Dr. S. S. Bhadauria, Dr. Praveen Kadwe, Dr. Vasu Dev Sahasi, Sustainable Safety, Security and Strategic Structures in Precincts of ancient Hindu architectural Chittorgarh fort, Rajasthan, India, International Journal of Science & Engineering Development Research, Vol.5, Issue 10, October 2020, ISSN 2455-2631, pp231-250.
19. Dr. D. Sanyal, Dr. H. D. Diwan, Dr. S. S. Bhadauria, Dr. Praveen Kadwe, Geologic-Geomorphic Characteristics, Fortification And Architectural Elements of Ancient Hindu Military Check Post, Shivneri Hill Fort, Junnar, M.H., India, Journal Of Emerging Technologies And Innovative Research, Vol.7, Issue 10, October 2020, ISSN 2349-5162 pp3414-3430.
20. Dr. D. Sanyal, Dr. H. D. Diwan, Dr. S. S. Bhadauria, Geomorphic Terrain Conditions of Precincts and Stone Monuments of Kakatiya Architecture in Warangal Fort, Telangana India, International Journal of Architectural Heritage Vol. 3: Issue 2, pp17-23.
21. Dr. D. Sanyal, Dr. H. D. Diwan, Dr. S. S. Bhadauria, Study of Architectural Features and Stability of Ancient Military Defence Type Island Fort of Medhakot in Konkan Coast of India, International Journal of Architectural Heritage Vol. 3: Issue 2, pp31-37.
22. Dr. D. Sanyal, Dr. H. D. Diwan, Aparjita Sharma, Dr. S. S. Bhadauria, Dr. Praveen Kadwe, Dr. Jyotsana Sharma, Ancient Hindu Rock monuments, Configuration and architectural features of Ahilya Devi fort of Holkar Dynasty, Mahismati Region, Maheshwar, Narmada Valley, Central India, International Journal of Science & Engineering Development Research, Vol.5, Issue 11, November 2020, ISSN 2455-2631, pp134-149.
23. Dr. D. Sanyal, Dr. H. D. Diwan, Dr. S. S. Bhadauria, Dr. T.L. Verma, Need of Architectural Restoration and Conservation of Ancient Coastal Manora Fort in Thanjavur, Tamil Nadu, India, International Journal of Architecture & Infrastructure Planning, Volume 7, Issue 1, 2021, ISSN: 2456-0154, pp16-20.

24. Arpita Bisen, Debashis Sanyal. A Study of Water Resource Consumption in Indian Building Construction Sector. Journal of Recent Activities in Architectural Sciences; e-ISSN: 2581-9046 Volume-6, Issue-1 (January-June, 2021) pp9-12.
25. Dr. D. Sanyal, Dr. H. D. Diwan, Dr. S. S. Bhadauria, Dr. Praveen Kadwe, Geologic-Geomorphic Conditions, Archaeological- Architectural Heritage Structures and Conservation of Ancient Hindu Malhar Mud Fort Chhattisgarh, India, International Journal of Science & Engineering Development Research, Volume 6, Issue 7, July 2021, ISSN: 2455-2631, pp100-108.
26. Dr. D. Sanyal, Huma Afrin, Energy Saving Technology and concepts of Green Building in India, International Journal of Architecture & Infrastructure Planning, Volume 7, Issue 1, 2021, ISSN: 2456-0154, pp1-6.
27. Dr. D. Sanyal, Dr. H. D. Diwan, Dr. S. S. Bhadauria, Dr. Praveen Kadwe, Stability, Strategic Importance and architectural features of ancient Hindu Padma Durg Sea Island Fort at Arabian Sea, India, Journal of Recent Activities in Architectural Sciences; e-ISSN: 2581-9046 Volume-6, Issue-2 (July-December, 2021) pp55-62.
28. Dr. D. Sanyal, Dr. H. D. Diwan, Dr. S. S. Bhadauria, Dr. Praveen Kadwe, Studies on Archaeological features, sculptures, architectural structures and geomorphic conditions of medieval Hindu Hinglaj Fort, Navali Plateau, Bhanpura, Mandsaur Dist. M.P. India, International Journal of Creative Research Thoughts, Vol.9, Issue 7, July 2021, ISSN 2320-2882, pp596-609.
29. Dr. D. Sanyal, Dr. H. D. Diwan, Dr. S. S. Bhadauria, Dr. Praveen Kadwe, Archaeological-Architectural Features and geological-geomorphic Conditions of intact Medieval Hindu Narsinghgarh fort at Malwa Plateau Rajgarh Central India, Journal of Recent Activities in Architectural Sciences; e-ISSN: 2581-9046 Volume-6, Issue-2 (July-December, 2021) pp63-72.
30. Dr. D. Sanyal, Dr. H. D. Diwan, Dr. S. S. Bhadauria, Dr. Praveen Kadwe, Suitability of Terrain conditions in Defence strategy and its Fortification: Architectural Elements of Historical Hindu Gohad fort in Bhind, Madhya Pradesh India, Journal of Interior Designing and Regional Planning; e-ISSN: 2581-9984 Volume-6, Issue-2 (July-December, 2021) pp21-30.
31. Suryakant Sahu, Debashis Sanyal. Energy Saving through vertical garden on Indian residential Buildings. Journal of Interior Designing and Regional Planning; e-ISSN: 2581-9984 Volume-6, Issue-2 (July-December, 2021) pp34-40.
32. Dr. D. Sanyal, Dr. H. D. Diwan, Dr. S. S. Bhadauria, Stone Fortification, Landscape, Architectural and Tourism Importance of ancient India-Tibetan trade Route Outpost and High security Detention camp of Indian freedom Fighters Buxa Hill Fort, West Bengal, India, Journal of Landscape Planning and Architecture; ISSN: 2456-5091 Volume-7, Issue-2 (July-December, 2021) pp24-35.
33. Tanya Rani, Dr. Debashis Sanyal, A Study of Thermal Impact of Vertical Greenery System in High-End Residential Building of India, Journal of Landscape Planning and Architecture; ISSN: 2456-5091 Volume-7, Issue-2 (July-December, 2021) pp10-16.
34. Roquiya Nishat Qamar, Debashis Sanyal, Interpretations of Gandhian values in Architecture: Symphony between affordability and sustainability, International Journal of Rural and regional planning development, Vol.07, Issue-2, 2021, pp1-10.
35. Shraddha Sharma, Debashis Sanyal, Homeless and their impact on public space, International Journal of Architecture and Infrastructure planning, Vol.08, Issue-1, 2022, ISSN: 2456-0154, pp12-20.
36. Dr. D. Sanyal, Dr. H. D. Diwan, Dr. Nirmita Mehrotra, Hindu Rajputana Architectural Features And Unique Defence Battlement Of Silver Balls In Unconquerable Historical Churu Fort, Thar Desert Region, Aravalli Tract, Rajasthan, India, International Journal of Creative Research Thoughts, Vol.10, Issue 2, February 2022, ISSN 2320-2882, pp250-266.
37. Dolly Chandrawanshi, Debashis Sanyal, Eco-tourism Hub in Bastar region, International Journal of Town Planning and Management, Vol.08, Issue-1, 2022, ISSN2456-5253, pp24-36.
38. Shraddha Sharma, Debashis Sanyal, Importance of informal markets in Indian context: A Study, Journal of Recent Activities in Architectural Sciences, Vol.07, Issue-1, Jan.-June 2022, eISSN: 2581-9046, pp9-17.
39. Shraddha Sharma, Debashis Sanyal, Importance of Place making in the Growing Tourism of Indian Cities, International Journal of Urban Design, Vol.04, Issue-2, November 2021, pp40-50.
40. Shraddha Sharma, Debashis Sanyal, Importance of Place making in the Growing Tourism of Indian Cities, International Journal of Housing and Human Settlement Planning, Vol.8, Issue-1, April 2022, pp53-59.
41. Dr. D. Sanyal, Sustainable Eco-elements and Design Features of Academic Green Library, International journal of Research and Analytical reviews, Vol.9, Issue-4, 21 Nov.2022, E-ISSN:2348-1269.
42. Dr. D. Sanyal, Dr. Nirmita Mehrotra, Hindu Architectural Features, Religious-Cultural Heritages and Medieval Settlement, Natural Caves in Vindhyan Tract of Historical Strategic Chanderi Hill Fort, Central India, International journal of Research and Analytical reviews, Vol.9, Issue-4, 21 Nov.2022, E-ISSN:2348-1269.

43. Dr. D. Sanyal, Granitic Landscape, Architectural Features, Archaeological Importance of Defensive Medieval, Hindu Kakatiya Fort of Queen Rani Rudrama Devi Warangal City, Telangana state, India, International journal of Research and Analytical reviews, Vol.10, Issue-1, Jan 2023, E-ISSN:2348-1269.

Research Papers/chapters Published in Book:

- D. Sanyal, Use of Industrialised Housing In Industrial Areas, Housing Development & Management, Centre for Built Environment, Calcutta, (Jan. 1996), pp190-194.
- D. Sanyal, D.P. Kuity, Impact Of Future Housing Growth On Agricultural Fields: A Study In Raipur Chhattisgarh, Souvenir, National Seminar On Population Growth & Food Supply In Chhattisgarh: The Present Trends & Future Prospects, Department of Geography, C.M.D.P.G. College, Bilaspur, (14-15.11.2005), pp11-12.
- D. Sanyal, Role of Renewable Energy In Development Of Sustainable Housing In Developing Countries, Environmental Earth Series, Survival and Sustainability: Environmental Concerns in the 21st Century, Springer, (2011), ISBN 978-3-540-95990-8, pp425-434.
- D. Sanyal, G. Sen, H.D. Diwan, Granite Utilization in Ancient Indian Construction, Structural Works and Architectural Design of Forts and Palaces, Researches in Granites of India, Vol.III, A collection of Peer Reviewed Research Articles (BASIC EARTH SCIENCE SERIES), Satya Pravah Publishers, ISBN 978-81-821065-3-3, Edition 2020, pp12-36.

Research Papers Presented in International/National Conferences:

1. SELF SUFFICIENT HOUSING: SEARCHING OF PARAMETERS, 22nd International I.A.H.S. Symposium on Housing Construction and Financing, Salzburg, Austria, 04.10.94.
2. INDUSTRIALISED MASS HOUSING IN URBAN AREAS OF INDIA, 22nd International I.A.H.S. Symposium on Housing Construction and Financing, Salzburg, Austria, 04.10.94.
3. DEVELOPMENT OF MASS HOUSING: A STUDY OF ENVIRONMENTAL IMPACTS, Proceedings of National Seminar on Development & the Environment, Bhopal, (1994), pp77-80.
4. MASS HOUSING IN INTELLIGENT TALL BUILDINGS: A NEED OF DEVELOPING COUNTRIES, 3rd International Congress of Asian Planning Schools Association on Planning in a Fast Growing Economy, Singapore, 22-24.09.95.
5. SIZING THE SELF SUFFICIENT HOUSING: A STUDY, 3rd International Congress of Asian Planning Schools Association on Planning in a Fast Growing Economy, Singapore, 22-24.09.95.
6. ENERGY CONSERVATION IN HOUSING: EXPLORING THE ARCHITECTURAL CONSIDERATIONS, Proceedings of 23rd IAHS World Housing Congress on Excellence in Housing, Singapore, 25-29.09.95.
7. DEVELOPMENT OF MASS HOUSING: SUSTAINABILITY vs. HIGH TECH MASS PRODUCTION, Proceedings of 23rd IAHS World Housing Congress on Excellence in Housing, Singapore, 25-29.09.95.
8. DEVELOPMENT OF MASS HOUSING IN INTELLIGENT TALL BUILDINGS IN INDIAN CONTEXT, Young Scientist Programme, 83rd Indian Science Congress Association, Patiala, 05.01.96.
9. POSSIBILITIES OF INDUSTRIALIZATION IN URBAN MASS HOUSING OF INDIA, Abstracts Proceedings of National Science Day Seminar, Pt. Ravishankar Shukla University, Raipur, (1996), pp17.
10. THE FUTURE OF HOUSING IN CITIES, 84th Indian Science Congress Association, New Delhi, 04.01.97.
11. DEVELOPMENT OF SELF SUFFICIENT HOUSING USING INTELLIGENT BUILDINGS IN INDIAN CONTEXT, New Methods and Technologies in Planning & Construction of I.B.-II, Proceedings of 2nd International Congress on Intelligent Buildings, Tel-Aviv, Israel, (1997), pp88-97.
12. INTELLIGENT TALL BUILDINGS FOR URBAN MASS HOUSING: A NEED OF DEVELOPING COUNTRIES, New Methods and Technologies in Planning & Construction of I.B.-II, Proceedings of 2nd International Congress on Intelligent Buildings, Tel-Aviv, Israel, (1997), pp221-234.
13. ENVIRONMENTAL IMPACTS OF CONVENTIONAL BUILDING MATERIALS: A STUDY OF HOUSING INTERIORS, The Second International Conference on Non-Conventional Construction Materials, Bhubaneswar, (1997), pp134-144.
14. DEVELOPMENT OF ALTERNATIVE BUILDING MATERIALS FOR COST-EFFECTIVE INDUSTRIALISED MASS HOUSING IN DEVELOPING COUNTRIES, The Second International Conference on Non-Conventional Construction Materials, Bhubaneswar, (1997), pp221-234.

15. ENVIRONMENTAL IMPACTS OF VOLATILE ORGANIC COMPOUNDS IN HOUSEHOLD INTERIORS, National Seminar on Modern Trends in Environmental Chemistry, Pt. R. S. University Raipur, 03.11.97.
16. SELF-SUFFICIENT HOUSING FOR URBAN INDIA: A STUDY OF ARCHITECTURAL CONSIDERATIONS, Proceedings of National Seminar on Advances in Energy Efficient Construction Systems, Gorakhpur, (1999), pp25-35.
17. EXPLORATION OF ARCHITECTURAL DESIGN ASPECTS FOR INTELLIGENT SELF SUFFICIENT HOUSING: A STUDY, Proceedings of World Conference of Green Design, World Congress on Environmental Design for the New Millennium, Seoul, (2000), pp375-385.
18. A STUDY OF ARCHITECTURAL DESIGN PARAMETERS FOR ENERGY CONSERVATION IN MASS HOUSING, Proceedings of World Conference on Green Design, World Congress on Environmental Design for the New Millennium, Seoul, (2000), pp582-593.
19. A STUDY OF NEGATIVE ENVIRONMENTAL IMPACTS OF CONVENTIONAL BUILDING MATERIALS AND CONSTRUCTION ON INDOOR AIR QUALITY IN URBAN HOUSING, Proceedings of World Conference on Green Design, World Congress on Environmental Design for the New Millennium, Seoul, (2000), pp594-603.
20. EXPLORING THE ARCHITECTURAL CONSIDERATIONS OF INTELLIGENT SUPERTALL BUILDINGS AS FUTURISTIC HOUSING IN DEVELOPING COUNTRIES, World Planning Schools Congress on planning of cities in 21st century, Shanghai, 11-15.07.2001.
21. NECESSITY OF INDUSTRIALISED CONSTRUCTION IN URBAN MASS HOUSING OF INDIA, Seventh Asia Construct Conference, New Delhi, 05.10.2001.
22. A STUDY OF NEGATIVE ENVIRONMENTAL IMPACTS OF CONVENTIONAL CONSTRUCTION TECHNIQUES ON URBAN HOUSING INTERIORS, Seventh Asia Construct Conference, New Delhi, 05.10.2001.
23. NEGATIVE ENVIRONMENTAL IMPACTS OF USING CONVENTIONAL BUILDING MATERIALS AND CONSTRUCTION ON URBAN HOUSING INTERIORS: A STUDY, Proceedings of International Conference on Building for the 21st Century: Technology, Livability and Productivity, London, (2001) pp287-297.
24. STUDY OF ARCHITECTURAL CONSIDERATIONS OF INTELLIGENT SUPERTALL HOUSING IN DEVELOPING COUNTRIES, Proceedings of International Conference on Information technology in Built Environment, IIT Kharagpur, (2002), pp40.
25. DEVELOPMENT OF ARCHITECTURAL DESIGN ASPECTS FOR INTELLIGENT SELF SUFFICIENT HOUSING IN DEVELOPING COUNTRIES, International Conference on Sustainable Building, 24.09.2002, Oslo.
26. DEVELOPMENT OF INTELLIGENT SELF SUFFICIENT HOUSING AS SUSTAINABLE ALTERNATIVE TO URBAN GROWTH, 30th IAHS World Congress on Housing, Coimbra, (2002) Vol.1, pp313-322.
27. DEVELOPMENT OF ARCHITECTURAL DESIGN PARAMETERS FOR ENERGY CONSERVATION AND SUSTAINABILITY IN URBAN MASS HOUSING, 30th IAHS World Congress on Housing, Coimbra, (2002) Vol. 2, pp975-982.
28. SUPER TALL HOUSING: ARCHITECTURAL & SOCIO-PSYCHOLOGICAL IMPLICATIONS, CIB2004, Toronto, 02.05.2004.
29. SOCIO-ARCHITECTURAL IMPLICATIONS OF FUTURISTIC DEVELOPMENT OF SUPER TALL HOUSING IN DEVELOPING COUNTRIES Accepted Paper, The Asian Planning Schools Association Conference 2005, Penang, 10-15.09.2005.
30. POSSIBILITIES OF INDOOR AIR POLLUTION DUE TO CONVENTIONAL CONSTRUCTION INDUSTRY PRACTICES, CIB World Building Congress 2007: Construction for Development, Cape town, 14-18.05.2007, pp2370-2383.
31. DEVELOPMENT OF INTELLIGENT SELF SUFFICIENT HOUSING FOR SUSTAINABLE URBANISATION OF RURAL AREAS, ECOSUMMIT2007 on "Ecological Complexity and Sustainability: Challenges and opportunities for 21st Century's Ecology", Beijing (2007) pp63.
32. DEVELOPMENT OF SELF-SUFFICIENT HOUSING AS PART OF SUSTAINABLE VILLAGE: A CONCEPT, National Seminar on Renewable Energy: Potential & Sustainable Development, Gwalior, 26.09.2007.
33. STUDY OF SELF-SUFFICIENT HOUSING AS SUSTAINABLE HUMAN HABITATS, 10th International Conference on Humane Habitat, Mumbai, 26.01.2008.
34. ARCHITECTURAL IMPLICATIONS OF SUPER TALL INTELLIGENT HOUSING: A STUDY, National Seminar on A 360° View of Civil Engineering, Indore, 07.06.2008, pp32-38.
35. A SEARCH FOR ECO FRIENDLY BUILDING MATERIALS FOR URBAN MASS HOUSING, XXXVI IAHS World Congress on Housing Science, Kolkata, 3.11.2008, pp52.
36. STUDY OF SUSTAINABLE DEVELOPMENT OF SELF-SUFFICIENT HOUSING IN DEVELOPING COUNTRIES, 3rd CIB International Conference on Smart and Sustainable Built Environments, Delft, 15-19.06.2009.

37. IDENTIFYING MAJOR DEVELOPMENT STRATEGIES FOR ECO-CITY IN INDIAN CONTEXT, 10th International Congress of Asian Planning Schools Association on Future of Asian Cities, Ahmadabad, 26.11.2009, pp10.
38. DERIVING MAJOR DEVELOPMENT STRATEGIES FOR ECO-CITY IN ASIAN CONTEXT, 11th Asian Urbanization Conference, Hyderabad, 12.12.2011, pp226.
39. HEALTH IMPACTS OF ASIAN BUILDING CONSTRUCTION ACTIVITIES: A STUDY OF RESULTANT INDOOR AIR QUALITY, International Conference for Academic Disciplines, Rome, 29.10.2012.
40. INTRODUCTION OF SUSTAINABILITY IN SUPER TALL HOUSING: ARCHITECTURAL IMPLICATIONS, Paper Proceedings of International Conference on Architecture & Engineering in Urban Development 2013, Colombo, ISBN978-955-4543-18-8, pp67-78.
41. POSSIBILITIES OF POLLUTION IN INDOOR AIR DUE TO USAGE OF CONVENTIONAL MATERIALS IN RESIDENTIAL CONSTRUCTION, All India Seminar on Innovations in Green building technology 2014, The Institution of Engineers (India), Nagpur, pp87-93.
42. DEVELOPMENT OF INTELLIGENT SELF-SUFFICIENT HOUSING AS COMPONENT OF ECOCITY IN DEVELOPING COUNTRIES, National Symposium On Sustainability And The Built Environment: Searching For Synergies 2014, Kolkata, pp76-80.
43. ARCHITECTURAL DEVELOPMENT OF INTELLIGENT SUSTAINABLE TALL BUILDINGS IN THE ASIAN CONTEXT, Asian Conference on Sustainability Environment and Energy 2014, Osaka, 13.06.2014.
44. PRESENT NEED OF DEVELOPING HIGH RISE BUILDINGS: AN ARCHITECT'S PERSPECTIVE, National Seminar on High Rise Development, Indian Building Congress, Raipur, 12.10.2014, pp48-49.
45. DEVELOPING MAJOR SUSTAINABLE STRATEGIES FOR ECO-CITIES IN DEVELOPING COUNTRIES, 4th International Conference on Ecological Theology and Environmental Ethics, Crete, 04.06.2015.
46. NEED OF MAJOR ARCHITECTURAL STRATEGIES FOR SMART CITIES IN INDIAN CONTEXT, National Seminar on Making of Smart City in Chhattisgarh, Indian Building Congress, Raipur, 16.01.2016, pp47-50.
47. DEVELOPMENT OF SUSTAINABLE CITY IN DEVELOPING COUNTRIES: AN ARCHITECT'S PERSPECTIVE, International Conference Proceedings of Research in Civil, Ecology & Environment Engineering 2016, Cebu, ISBN 978-93-84422-73-8, pp120-124.
48. NEED OF INDUSTRIALISATION IN AFFORDABLE LIG HOUSING FOR INDIA, National Seminar on Use of New Technologies in Construction of Affordable housing, Indian Building Congress, Raipur, 20.05.2016, pp24-27.
49. ROLE OF ENERGY EFFICIENCY IN DEVELOPMENT OF ECO-CITIES, Seminar on Sustainable Energy Development 2016, CREDA, Raipur, 15.10.16, pp35-46.
50. DEVELOPMENT OF ECO-CITY IN DEVELOPING COUNTRIES: AN ARCHITECT'S PERSPECTIVE, Ecocity World Summit 2017, Melbourne, 14.07.17.
51. DETERMINING MAJOR STRATEGIES FOR SMART CITY DEVELOPMENT IN INDIA: AN ARCHITECT'S PERSPECTIVE, Technical Volume, Urjavarani 2017 Emerging Cities Step towards Rising India, ISHRAE Guwahati, 11.11.17, pp26-30.
52. NECESSITY OF PLANNING ECO CITIES IN DEVELOPING COUNTRIES: A STUDY, V. International Architectural Design Conference'18, Dubrovnik, 13.04.18, pp342-350.
53. UNDERSTANDING DEVELOPMENT CONTROL REGULATIONS, 2 Days National Workshop on NBC 2016, IBC Raipur, 13-14.07.18, pp41-42.
54. STUDY OF INDOOR AIR CONTAMINATION DUE TO USAGE OF CONVENTIONAL HAZARDOUS BUILDING MATERIALS, International Conference on Environmental & Ecological Sustainability: Engaging the Stakeholders, IGNOU, New Delhi, 5.10.18, pp196.
55. DEVELOPING PLANNING STRATEGIES FOR SMART CITY DEVELOPMENT IN DEVELOPING COUNTRIES, National Conference on Infrastructure development and sustainability, Govt. Engg. College, Bilaspur, 21.12.18, pp87-94.
56. AN INTEGRATED APPROACH FOR ECO-CITIES IN DEVELOPING COUNTRIES, 3rd Annual research on Cities Summit: transformative urban Governance in the Developing World and the New urban Agenda, XUMG, Bhubaneswar, 25.01.19, pp18.
57. ROLE OF RENEWABLE ENERGY IN DEVELOPMENT OF SUSTAINABLE HOUSING IN DEVELOPING COUNTRIES, International Conference on Multi-disciplinary Approach towards Sustainable Development, IIFM, Bhopal, 21.02.19, pp18.
58. SUSTAINABILITY IN SUPER TALL HOUSING: AN ARCHITECT'S APPROACH, Sustainable Built Environment 2019, Temuco, pp2.
59. EXPLORING PLANNING STRATEGIES FOR SMART CITY DEVELOPMENT IN DEVELOPING COUNTRIES, IUPE13 Tartu, 31.07. 2022.
60. NECESSITY OF ECO-HOUSING IN DEVELOPING COUNTRIES FOR PROMOTING SUSTAINABLE DEVELOPMENT, AESOP22, Tartu, Vol. 34,2, 2022, pp324-331.

61. INCORPORATING SMART TECHNOLOGIES FOR ENERGY SUFFICIENCY IN BUILT ENVIRONMENT OF DEVELOPING COUNTRIES: AN ARCHITECT'S PERSPECTIVE, AESOP22, Tartu, Vol. 34,2, 2022, pp332-335.

Invited Lectures/Talks presented:

1. MASS HOUSING: ARCHITECTURAL SOLUTIONS FOR BETTER LIVING ENVIRONMENT, National Science Day Seminar, Pt. Ravishankar Shukla University, Raipur, 27.02.95.
2. RESEARCH OF BUILDING CONSTRUCTION IN INDIA, Science Talk Programme, All India Radio, Raipur, 06.05.95.
3. IMPORTANCE OF ENVIRONMENT IN HOUSING DESIGN, Science Talk Programme, All India Radio, Raipur, 21.11.95.
4. SELF SUFFICIENT HOUSING CONSTRUCTION IN INDIA, Science Talk Programme, All India Radio, Raipur, 20.02.96.
5. MASS HOUSING CONCEPTS IN INTELLIGENT BUILDINGS IN INDIAN CONTEXT, Science Talk Programme, All India Radio, Raipur, 12.05.96.
6. SATELLITE TOWN DEVELOPMENT: A SOLUTION FOR URBAN POPULATION, Science Talk Programme, All India Radio, Raipur, 14.07.96.
7. INDUSTRIALISED MASS HOUSING IN INDIAN CONTEXT, Department of Architecture, Visvesvaraiya Regional College of Engineering, Nagpur, 14.08.96.
8. USE OF INDUSTRIALISATION IN URBAN MASS HOUSING, Department of Architecture, Priyadarshini College of Architecture & Engineering, Nagpur, 02.01.98.
9. USE OF COMPUTERS IN ARCHITECTURE, Short-term course on Use of Computers in Engineering & Technology, Engineering College, Raipur, 19.02.99.
10. TRADITIONAL AND MODERN ARCHITECTURE IN INDIA, Deptt. of Architecture, Dongyang Technical College, Seoul, 15.11.2000.
11. INTELLIGENT MASS HOUSING, Department of Housing, School of Planning & Architecture, New Delhi, 24.11.2000.
12. SELF SUFFICIENT HOUSING, Department of Architecture, College of Engineering and Technology, Akola, 06.02.2001.
13. INDUSTRIALISED CONSTRUCTION FOR URBAN MASS HOUSING, Department of Architecture, College of Engineering and Technology, Akola, 07.02.2001.
14. NEGATIVE IMPACTS OF CONVENTIONAL BUILDING MATERIALS, Indian Institute of Architects Akola Centre, 07.02.2001.
15. A STUDY OF ARCHITECTURAL DESIGN PARAMETERS FOR ENERGY CONSERVATION IN MASS HOUSING, University of Portsmouth, 04.12.2001.
16. EXPLORING THE INTELLIGENT SUPERTALL BUILDINGS FOR FUTURISTIC HOUSING IN DEVELOPING COUNTRIES, University of Reading, 05.12.2001.
17. TRADITIONAL AND MODERN ARCHITECTURE IN INDIA, The Manchester School of Architecture, 06.12.2001.
18. SELF SUFFICIENT HOUSING IN INDIA, Department of Architecture, Liverpool School of Art & Design, John Moore University of Liverpool, 07.12.2001.
19. TRADITIONAL AND MODERN ARCHITECTURE IN INDIA, Ecole Speciale d' Architecture, Paris, 12.12.2001.
20. TRADITIONAL ARCHITECTURE IN INDIA, Institute of Building Technology, ETH, Zurich, 17.09.2002.
21. DEVELOPMENT OF ARCHITECTURAL DESIGN ASPECTS FOR INTELLIGENT SELF SUFFICIENT HOUSING, Institute of Building Technology, ETH, Zurich, 17.09.2002.
22. DEVELOPMENT OF ARCHITECTURAL DESIGN ASPECTS FOR INTELLIGENT SELF SUFFICIENT HOUSING FOR DEVELOPING COUNTRIES, Architecture Energy & Environment Programme, Deptt. of Housing Development and Management, Lund University, 26.09.2002.
23. DEVELOPMENT OF ARCHITECTURAL DESIGN PARAMETERS FOR ENERGY CONSERVATION IN URBAN MASS HOUSING, Architecture Energy & Environment Programme, Deptt. of Housing Development and Management, Lund University, 26.09.2002.
24. DEVELOPMENT OF ARCHITECTURAL DESIGN ASPECTS FOR INTELLIGENT SELF-SUFFICIENT HOUSING FOR SUSTAINABLE GROWTH, Division of Urban Studies, Deptt. of Infrastructure, KTH, Stockholm, 01.10.2002.
25. ARCHITECTURAL DESIGN ASPECTS FOR INTELLIGENT SELF-SUFFICIENT HOUSING, Deptt. of Architecture, Kavikulguru Institute of Technology & Science, Ramtek, 21.03.2003.
26. INDUSTRIALISED CONSTRUCTION FOR URBAN HOUSING, Department of Architecture, Manohar Bhai Patel Institution of Engineering & Technology, Gondia, 20.11.2003.
27. SUPER TALL HOUSING: ARCHITECTURAL & SOCIO-PSYCHOLOGICAL IMPLICATIONS, BKPS College of Architecture, Pune, 12.03.2004.
28. ENVIRONMENTAL POLLUTION DUE TO INDUSTRIAL WASTE, Science Talk Programme, All India Radio, Raipur, 28.10.2004.
29. NEGATIVE ENVIRONMENTAL IMPACTS OF USING CONVENTIONAL BUILDING MATERIALS
30. , UGC Refresher Course on Environmental Science, Pt. Ravishankar Shukla University, Raipur, 04.03.2005.
30. ROLE OF VOLATILE ORGANIC COMPOUNDS IN RESIDENTIAL INTERIOR AIR POLLUTION
31. , UGC Refresher Course on Environmental Science, Pt. Ravishankar Shukla University, Raipur, 05.03.2005.
31. INTRODUCTION TO EARTHQUAKE ENGINEERING FOR ARCHITECTS, Department of Architecture, Madhav Institute of Technology & Science, Gwalior, 26.04.2005.
32. SELF SUFFICIENT HOUSING, Department of Architecture, Chinese University of Hong Kong, 17.11.2005.

33. SELF SUFFICIENT INTELLIGENT HOUSING: ARCHITECTURAL IMPLICATIONS, Department of Architecture, National Cheng Kung University, Tainan, 24.11.2005.
34. TRADITIONAL ARCHITECTURE IN INDIA, School of Architecture, Tsinghua University, Beijing, 21.05.2007.
35. DEVELOPMENT OF SELF-SUFFICIENT HOUSING FOR SUSTAINABLE URBANISATION OF RURAL AREAS, Rotary Club of Raipur, 27.07.2007.
36. INTRODUCTION TO INTELLIGENT BUILDINGS, Guwahati College of Architecture, 03.11.2007.
37. USE OF BAMBOO AS LOW-COST BUILDING MATERIAL, Chhattisgarh Swami Vivekananda Technical University, Bilai, 05.06.2008.
38. A STUDY OF INTELLIGENT BUILDINGS, Rotary Club of Guwahati, 10.06.2008.
39. HERITAGE OF CHHATTISGARH, Workshop of ASI, Raipur, 22.11.2011.
40. Webinar on RECENT GUIDELINES OF THE WORLD HEALTH ORGANIZATION AND THEIR APPLICABILITY IN - AND POSSIBLE IMPACT ON THE BUILT ENVIRONMENT, Task Group 77, International Council for Research and Innovation in Building and Construction (CIB), 27.03.2012.
41. HISTORY AND CONCEPT OF GREEN BUILDINGS IN INDIA AND ITS CURRENT RELEVANCE, One Day Seminar on Emerging Concept of Green Buildings in Chhattisgarh, GRIHA Raipur, 17.10.2012.
42. PREFABRICATION OF HOUSING, Department of Architecture, Kavikulguru Institute of Technology & Science, Ramtek, 21.10.2012.
43. A STUDY OF INTELLIGENT BUILDINGS, Faculty of Engg., University of Pisa, 31.10.2012.
44. INTELLIGENT BUILDINGS, Deptt. of Architecture, State Institute of Urban Planning and Architecture, Rohtak, 21.12.2012.
45. Two Days Workshop on INTELLIGENT BUILDINGS, GITAM School of Architecture, GITAM University, Visakhapatnam, 24 to 25.01.2013.
46. SELF SUFFICIENT HOUSING, School of Architecture, MIT Aurangabad, 25.02.2013.
47. PREFABRICATION OF BUILDING COMPONENTS, Department of Architecture & Planning, Visvesvaraiya National Institute of Technology, Nagpur, 24.07.2013.
48. DEVELOPMENT OF INTELLIGENT SELF SUFFICIENT HOUSING AS COMPONENT OF ECOCITY, International Conference on Emerging Challenges and Issues In Environmental Protection, Raipur Institute Of Technology, Raipur, 24.01.2014.
49. GREEN ARCHITECTURE, Smt. M.M.College of Architecture, LAD College Campus, Nagpur, 16.08.2014.
50. ARCHITECTURE AS A CAREER, Department of Architecture, Kavikulguru Institute of Technology & Science, Ramtek, 19.08.2014.
51. INTELLIGENT BUILDINGS, Faculty of Architecture, Dr. M.G.R. Educational & Research Institute University, Chennai, 06.09.2014.
52. INDOOR AIR POLLUTION FOR USAGE OF CONVENTIONAL BUILDING MATERIALS IN URBAN RESIDENTIAL CONSTRUCTION, National Conference on Recent Development, Future Challenges & Opportunities for Rural Development in Globalized Environment, MM College Of Technology, Raipur, 24.09.2014.
53. NEED OF GREEN BUILDINGS IN CURRENT ARCHITECTURAL PRACTICES AND ITS RELEVANCE IN CHHATTISGARH, Awareness Program on GRIHA and Green Buildings, GRIHA Raipur, 21.11.14.
54. Two Days Workshop on INTELLIGENT BUILDINGS, Department of Architecture, Kavikulguru Institute of Technology & Science, Ramtek, 23 to 24.01.2015.
55. GREEN BUILDING CONCEPT, Training of Dy. Engineers of Chhattisgarh Housing Board, Chhattisgarh Administrative Academy, Raipur, 22.05.2015.
56. SELF SUFFICIENT HOUSING AS SUSTAINABLE HUMAN HABITATS, Department of Architecture, Technical University of Crete, Chania, 04.06.2015.
57. PREFABRICATION OF HOUSING COMPONENTS, Ambuja Knowledge Centre, Raipur, 24.07.2015.
58. INNOVATION IN CURRENT ARCHITECTURAL PRACTICES AND NET ZERO BUILDINGS, Conference on Green Buildings and Building Rating Systems, PHD Chamber of Commerce, Raipur, 23.09.2015.
59. Workshop on SMART BUILDINGS, Department of Architecture, Gautam Buddha University, Greater NOIDA, 15.10.2015.
60. SMART BUILDINGS, Apeejay School of Architecture and Planning, Greater NOIDA, 17.10.2015.
61. Workshop on SMART BUILDINGS, G.L.Bajaj School of Architecture, Mathura, 19.10.2015.
62. NEED FOR DEVELOPING GREEN BUILDING CONCEPT IN THE COUNTRY & BASICS OF SUN PATH ANALYSIS AND SHADING DESIGN, Training Course on Energy Efficiency & Green Building, Raipur, 16.12.2015.
63. INTRODUCTION TO SMART BUILDINGS AND ENERGY MANAGEMENT SYSTEM, Urjavarani 2016, ISHRAE Raipur, 06.02.2016.
64. INDUSTRIALISED MASS HOUSING, College of Engineering & Architecture, Cebu Institute of Technology University, Cebu, Philippines, 23.05.2016.
65. PREFABRICATION OF MASS HOUSING, Faculty of Architecture, Dr. M.G.R. Educational & Research Institute University, Chennai, 08.08.2016.
66. SOCIAL IMPLICATIONS IN HIGH RISE BUILDINGS, International workshop on social implications in architecture under GIAN, NIT Raipur, 20.08.2016.
67. NEED OF COMMUNITY /SOCIAL HOUSING, International workshop on social implications in architecture under GIAN, NIT Raipur, 22.08.2016.
68. HISTORY OF NEIGHBORHOOD PLANNING, International workshop on social implications in architecture under GIAN, NIT Raipur, 23.08.2016.
69. HISTORY OF LANDSCAPE ARCHITECTURE IN INDIA, International workshop conservation of urban environment through landscape architecture under GIAN, NIT Raipur, 26.12.2016.
70. SMART BUILDINGS, Institute of Design Education and Architectural Studies, Nagpur, 23.01.2017.

71. ROLE OF PREFAB TECHNOLOGIES IN MASS HOUSING, Awareness Workshop on Prefab Housing Construction Technologies, Hindustan Prefab Ltd., Raipur, 16.03.2017.
72. COLONIAL ARCHITECTURE AND MODERNISM IN INDIA, School of Design and environment, NGEE polytechnic, Singapore, 10.07.2017.
73. TRADITIONAL ARCHITECTURE IN INDIA, Udayana University, Bali, 18.07.2017.
74. DEVELOPMENT OF ECO-CITY IN DEVELOPING COUNTRIES: AN ARCHITECT'S PERSPECTIVE, GITAM School of Architecture, GITAM University, Visakhapatnam, 21.09.2017.
75. SUSTAINABLE ARCHITECTURE, GITAM School of Architecture, GITAM University, Visakhapatnam, 21.09.2017.
76. SMART BUILDINGS: SMART CITIES A STEP FORWARD, Srijan 2017, School of Architecture, MM University, Ambala, 29.09.2017.
77. CONSERVATION OF OLD BRICK STRUCTURES, Workshop of ASI, Sirpur, 22.11.2017.
78. USE OF STEEL IN MODERN BUILDINGS, Workshop on Usage of Steel in Megastructures, Smart Habitat Foundation, New Delhi, 28.12.2017.
79. SMART CITIES, Smt. K.L. Tiwari College of Architecture, Palghar, 14.03.2018.
80. SMART CITIES, Chennai Academy of Architecture and Design, Chennai, 30.03.2018.
81. SUPER TALL HOUSING, Faculty of Architecture, University of Split, 11.04.2018.
82. TRADITIONAL ARCHITECTURE IN INDIA, Faculty of Architecture, University of Zagreb, 12.04.2018.
83. HVAC DESIGN IN COMMERCIAL BUILDINGS, CV Raman College of Engineering, Bhubaneswar, 28.04.2018.
84. DEVELOPMENT CONTROL RULES FOR REAL ESTATE, Institution of Valuers, Raipur, 08.06.18.
85. HVAC DESIGN IN COMMERCIAL BUILDINGS, Indian Concrete Institute-ISHRAE, Raipur, 20.07.2018.
86. INTELLIGENT BUILDINGS-FIRE & SAFETY, Amity University, Jaipur, 07.09.2018.
87. DEVELOPMENT OF MAJOR STRATEGIES OF ECO-CITY IN DEVELOPING COUNTRIES, Faculty of Architecture & Ekistics, Jamia Millia Islamia, New Delhi, 04.10.18.
88. INNOVATION IN CURRENT ARCHITECTURAL PRACTICES TOWARDS GREEN BUILDINGS, ISHRAE, Kolkata, 10.11.18.
89. GREEN BUILDINGS: A NEW ERA OF ARCHITECTURE, CCAE Archvil2018, JournalsPub, Delhi, 27.11.18.
90. ECO-CITY, Department of Planning & Architecture, NIT Rourkela, 03.12.18.
91. Workshop on HILL ARCHITECTURE, Nehru School of Architecture, Coimbatore, 14 to 15.12.18.
92. LOW COST BUILDING DESIGN & TECHNIQUES IN AFFORDABLE HOUSING, LP University, Phagwara, 15.02.19.
93. SMART HOUSING, SPA Bhopal, 22.02.19.
94. SUSTAINABILITY IN SUPER TALL HOUSING, Academy of Architecture, Mumbai, 28.02.2019.
95. SMART BUILDING SMART CITY, Academy of Architecture, Mumbai, 28.02.2019.
96. HOUSING IN INDIA: A CONTEMPORARY PERSPECTIVE, Bharti Vidyapeeth College of Architecture, Navi Mumbai, 01.03.2019.
97. ARCHITECTURAL DESIGN CONSIDERATIONS FOR HIGH RISE BUILDINGS, Department of Architecture, Manohar Bhai Patel Institution of Engineering & Technology, Gondia, 08.04.2019.
98. SMART CITY DEVELOPMENT IN INDIA, Department of Architecture, Kavikulguru Institute of Technology & Science, Ramtek, 24.07.2019.
99. GREEN BUILDINGS & SUSTAINABLE ARCHITECTURE, GITAM School of Architecture, GITAM University, Visakhapatnam, 17.08.2019.
100. SUPER TALL HOUSING, Faculty of Architecture & Urbanism, University of Chile, Santiago, 15.10.2019.
101. HIGH RISE HOUSING, Jawaharlal Nehru Architecture and Fine Arts University, Hyderabad, 22.11.2019.
102. TWO DAYS WORKSHOP ON SMART BUILDINGS IN SMART CITIES, Department of Architecture, Kavikulguru Institute of Technology & Science, Ramtek, 01 to 02.01. 2020.
103. INNOVATIONS IN ARCHITECTURE OF GREEN BUILDINGS, Gayatri College of Engineering, Visakhapatnam, 24.01.2020.
104. ALTERNATIVE BUILDING MATERIALS, School of Architecture & Planning, Apeejay Institute of Technology, Greater Noida, 27.02.2020.
105. HEALTH IMPACTS OF INDOOR AIR QUALITY (Online), Distinguished Lecture/ Webinar, ISHRAE Chennai, 06.06.2020.
106. POST PANDEMIC ARCHITECTURE (Online), Webinar on Architecture after COVID-19 and likewise Pandemics, P.R.P. College of architecture, Amravati, 06.06.2020.
107. BEYOND NET ZERO-ECO-CITY (Online), Looking beyond Net zero in Human settlements, ASSOCHAM Council for Green and Eco-friendly Movement, Delhi, 12.06.2020.
108. ARCHITECTURE AS A CAREER IN NIT RAIPUR (Online), Next Level architecture education week-2020, RVS Thiruvallur, 13.06.2020.
109. BUILDING ORIENTATION AS PER SUN PATH & SHADOW ANALYSIS (Online), Distinguished Lecture/ Webinar, ISHRAE Chennai, 27.07.2020.
110. SMART BUILDINGS TO SMART CITIES: A NECESSARY TRANSITION (Online), Faculty Development Programme on Smart City Development and Green Energy, Jaipur Engineering College, 28.01.2021.
111. SOCIAL HOUSING (Online), Seminar on Housing: Awas par samvad, PMAY (Urban), NIT RAIPUR (Online), 05.08.2021.
112. ARCHITECTURE OF CHHATTISGARH & GUJARAT, Ek Bharat Shresta Bharat, DD Chhattisgarh, Raipur, 19.08.2021.
113. TALL BUILDINGS-FIRE SAFETY ELEVATOR & SECURITY, India Fire and Security Yatra 2021, FSAI Raipur, 27.08.2021.

114. DESIGN OF SMART BUILDINGS TO PLANNING OF SMART CITIES: A NECESSARY TRANSITION (Online), AICTE ATAL Faculty Development Programme on Smart City, Govt. Engineering College Bilaspur, 06.09.2021.
115. TWO DAYS WORKSHOP On BUILDING INTELLIGENCE & SMART CITIES (Online), Department of Architecture, Kavikulguru Institute of Technology & Science, Ramtek, 08 to 09.01.2022.
116. HVAC IN RESIDENTIAL BUILDINGS, Urjavarán 22, ISHRAE Raipur, 25.04.2022.

Working Paper:

1. Fareed, A. H. Cairns, D. Sanyal, L. Gumasta, M. Tewfik, Peter Schmid, R.F. Kanuka, Working Paper, 22nd International I.A.H.S. Symposium on Housing Construction & Financing, Salzburg, Austria, 05.10.94.
2. ARCHITECTURAL PERSPECTIVES OF CHHATTISGARH, National Workshop on Art & Culture of Chhattisgarh, Raipur, 28.04.2001.
3. PRESENT NEED OF DEVELOPING HIGH RISE BUILDINGS: AN ARCHITECT'S PERSPECTIVE, National Seminar on High Rise Development, Indian Building Congress, Raipur, 12.10.2014, pp48-49.

Memberships:

1. Life Member, Indian Society for Technical Education, New Delhi.
2. Associate Member, The Indian Institute of Architects, Mumbai.
3. Life Member, Indian Institute of Public Administration, New Delhi.
4. Associate Member, Consultancy Development Centre, New Delhi.
5. Member, International Association for Housing Science, USA.
6. Life Member, Indian Science Congress Association, Calcutta, L-6329.
7. Individual Member (Academic), Council on Tall Buildings and Urban Habitat, USA.
8. Life Member, Photographic Society of Chhattisgarh, Raipur.
9. Life Member, International Youth Hosteling Association, New Delhi.
10. Associate Member, International Initiative for a Sustainable Built Environment, Canada.
11. Registered in European Science foundation, France.
12. Individual Member, International Council for Research and Innovation in Building and Construction (CIB), the Netherlands.
13. Member, Architectural Humanities Research Association, UK.
14. Member, International Association of Computer Science and Information Technology, Singapore.
15. Gold Member, International Solar Energy Society, Germany.
16. Life Member, Indian National trust for Art and Cultural heritage, New Delhi.
17. Member, Asia-Pacific Chemical, Biological & Environmental Engineering Society, Hong Kong.
18. Senior member, International Association of Engineering Technology, Hong Kong.
19. Member, International Foundation for structural concrete, Switzerland.
20. Life Member, Indian Buildings Congress, New Delhi.
21. Life Member, Indian Concrete Institute, Chennai.
22. Life Member, Indian Society for Heating Refrigeration and Air Conditioning, New Delhi.
23. Life Member, Pre-engineered structures society of India, Hyderabad.
24. Individual Member, Fire & Security Association of India, Chennai.

Completed Research Projects:

1. Exploration of Possibilities of Industrialised Mass Housing in Urban Areas of Chhattisgarh Region Of Madhya Pradesh, UGC Mini Research Project, 1996-99.
2. Development Of Appropriate Architectural Designs Of Industrialised Urban Mass Housing For Chhattisgarh Region Of Madhya Pradesh, DST Science & Society Research Project, 1996-99.
3. Architectural Design Development of Self-Sufficient Housing in India, AICTE R & D Project, 1998-2001.
4. Modernization of Existing Computer Laboratory in Department of Architecture, ENGG. COLLEGE, RAIPUR, AICTE MODROBS project, 2000-2002.
5. 2 Gram Panchayat Spatial Development Plan 2025 Chhattisgarh, Ministry of Panchyati Raj, Govt. of India, 07.07.2020 to 31.12.2020.

Participated in Projects of Institutional Consultancy Cell, Deptt. of Architecture:

1. Working Drawing of Veterinary College Building, Indira Gandhi Agricultural University, Anjora, Durg, 1995.
2. Architectural Design of Extension of 100 bed hospital to 300 bed hospital, Raigarh, 2001.
3. Architectural Design of Expansion of 50 Bed Komaldeo Govt. Hospital to 100 Bed Hospital, Kanker, 2001.
4. Architectural Design of Additions in Chhattisgarh Vidhan Sabha Building Raipur, 2001.
5. Architectural Design of Additions in Chhattisgarh Mantralaya DKS Building, Raipur, 2001.
6. Architectural Design of 4 types of Housing Quarters for Chhattisgarh Board of Secondary Education, Raipur, 2002.
7. Interior Design of Office of the Vice Chancellor & Registrar, Pt. Ravishankar Shukla University, Raipur, 2003.
8. Architectural Design of Extension of Computer Building, Pt. Ravishankar Shukla University, Raipur, 2003.
9. Architectural Design of VIP Guest House, Pt. Ravishankar Shukla University, Raipur, 2005.
10. Optimal Use of AAI Land & Densification of Residential Area, Swami Vivekananda Airport Raipur, 2015.

11. Site Planning of State Headquarters of Sickle Cell, Raipur, 2018.
12. Acoustical verification of Auditorium, Durg, 2019.

Special Training Courses attended:

-
- Summer School on Landscape Architecture & Environment, JNTU Hyderabad, 09.06.1986 to 21.06.1986.
 - Short Term Course on Efficient Design of Multi-storied Buildings, Quality Improvement Center, University of Roorkee, 19.06.1989 to 01.07.1989.
 - Short Term Course on Earthquake Engineering for Architects & Planners, Quality Improvement Center, University of Roorkee, 23.06.1992 to 07.07.1992.
 - Short Term Course on Recent Trends in Design and Management of Urban Bus Transit System, Birla Vishvakarma Mahavidyalaya, Vallabh Vidyanagar, 28.12.1992 to 09.01.1993.
 - One Day Orientation & Refresher Course on Passive Building Systems, Centre of Energy Studies and Research of DAVV University Indore, (sponsored by Ministry of Non-Conventional Energy Sources, (Govt. of India), Raipur, 04.12.1997.
 - National Workshop on Sustainable Rural Development - Concept and Application, School of Planning and Architecture, New Delhi, 26.03.1997 to 27.03.1997.
 - National Seminar on Real Estate Development in India- Emerging Perspectives, School of Planning and Architecture, New Delhi, 31.03.1997.
 - Strategic Planning Group Training, Canada-India Institute industry Linkage Project, Engineering College, Raipur, 16.01.2001 to 17.01.2001.
 - Training in Applied DACUM, Canada-India Institute industry Linkage Project, Technical Teachers Training Institute Bhopal, 14.11.2002 to 16.11.2002.
 - Workshop on Insight to Council of Architecture (India) Norms and Standards for Architectural Schools, Priyadarshini College of Engineering and Architecture, Nagpur 31.08.2002 to 01.09.2002.
 - Training on Management of change, Canada-India Institute industry Linkage Project, Govt. Polytechnic Nagpur, 09.12.2002 to 11.12.2002.
 - Training in Development of Models for Industry Linkage, Canada-India Institute industry Linkage Project, Govt. Polytechnic Nagpur, 11.02.2003 to 12.02.2003.
 - Training of trainers, National Programme for Capacity Building of Architects for Earthquake Resistant Management, School of Planning & Architecture, Jawaharlal Nehru Technological University, Hyderabad, 14.03.2005 to 19.03.2005.
 - One day Workshop on Model Amendments in Town and Country Planning Act, Zoning Regulations, Development & Control Regulations and Building Regulations for Natural Hazards, Raipur, 2005.
 - Short Term Course on Earthquake Resistant structures for Architecture, National Programme for Earthquake Engineering Education, Continuing Education Centre, IIT Roorkee, 08.08.2005 to 12.08.2005.
 - Workshop on Disciplinary Proceedings-Enquiry Procedure-Statutory Rules and Supreme Court Judgements, Consultancy Development Centre, New Delhi, 18.08.2006 to 20.08.2006.
 - Course on Owners Perspective to design Specification of Building or a Facility, Bry Air Learning Institute, New Delhi, 26.10.2006 to 27.10.2006.
 - Technical Workshop on Managing Office for Performance Up gradation Effectiveness, New Delhi, 03.05.2007 to 05.05.2007.
 - 2007 Beijing International Symposium on Ecological restoration, Beijing, 25.05.2007 to 27.05.2007.
 - Technical Workshop on Purchase Procedures in Government Offices, New Delhi, 14.06.2007 to 16.06.2007.
 - Technical Workshop on Seniority & Promotion in CCS & Central Autonomous Bodies, Chandigarh, 10.07.2007 to 11.07.2007.
 - National Discussion on initiatives to promote comprehensive renewable energy package for educational and public institutions, Academic Staff College of India Hyderabad, 01.09.2007 to 02.09.2007.
 - Technical Workshop on Establishment Rules, New Delhi, 27.09.2007 to 29.09.2007.
 - 5th National Conference on Role of Engineers and technologists in the fast growing Indian Economy, New Delhi, 05.11.2007.
 - North East India Energy Summit 2008, Guwahati, 29.03.2008.
 - Businesses meet on renewable energy & energy efficiency, CREDA, Raipur, 31.01.2009.
 - Environment & Human Behaviour, National Institute of Advanced Studies in Architecture, Pune, 29.06.2009 to 03.07.2009.
 - Green Architecture and carbon free living, IIT Kharagpur, 18.12.2009 to 24.12.2009.
 - International Conference on Intelligent Urbanization: Smart solutions for inclusive and sustainable Communities, Delhi, 06.05.2010 to 07.05.2010.
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- National Seminar on Environment Protection and Sustainable Development, RITEE, Raipur, 16.02.2013.
- Workshop on e-Books in libraries, NIT Raipur, 15.11.2013 to 16.11.2013.
- Deans of Architecture Colleges Colloquium, INTACH - COA - IIA, New Delhi, 31.08. 2014.
- National Conference on “Architecture-Education today for the Profession Tomorrow”, COA-IIA, New Delhi, 01.09.2014.
- Author’s Workshop on Book publishing, NIT Raipur, 19.08.2015.
- One Day Workshop on COA Minimum Standards & Online Institution Management System 2015, Apeejay School of Architecture and Planning, Greater Noida, 16.10.2015.
- International Seminar on emerging building materials and construction technologies, BMTPC, New Delhi, 21.03.2016 to 22.03.2016.
- One Day Workshop on human settlement Planning & Design: A shared understanding, Ministry of Housing & Urban poverty Alleviation, New Delhi, 24.06.16.
- One Day international Symposium on 3D printing of Concrete, Indian Concrete Institute, IIT Madras, 08.08.16.
- One Day Workshop on second Open House Discussion under Housing for All (Urban) Mission, New Delhi, 12.06.16.
- International workshop on transformable architecture under GIAN, NIT Raipur 22.07.2016 to 29.07.2016.
- Pre-Engineered and Precast Concrete Structures Conference, New Delhi, 21.02.2017 to 22.02.2017.
- One day Workshop on Housing for All (Rural) Mission, New Delhi, 16.01.2018.
- Pre-Engineered and Precast Concrete Structures Conference, Vijayawada, 19.01.2018 to 20.01.2018.
- Winter School on Sustainable Habitat, VNIT Nagpur, 07 to 12.01.2019.
- Industry Institute Conclave 2019, NIT Raipur, 08 to 09.11.2019.
- One Week Faculty Development Programme on Transformation to the Digital Mode of Education, NIT Raipur, 26.05.2020 to 01.06.2020.

Others:

Chief Coordinator, A Specialised Orientation Course on Housing for Architects & Planners, Department of Architecture, Engineering College, Raipur, 10 to 24.10.2000.

Chief Coordinator, National Seminar on Future of Urbanisation, National Institute of Technology Raipur, 26-27.07.2010.

Chief Coordinator, Training Programme for Architects under National Programme for Capacity Building of Architects in Earthquake Risk Management programme 2014 (Govt. Of India, Ministry of Home Affairs, Disaster Management Division), NIT Raipur, 27.01.2014 to 31.01.2014.

- **Expert Member**, Building Committee, Pt. Ravishankar Shukla University, Raipur, 2002-2003, 2010, 2022.
- **Expert Member**, Building Committee, Guru Ghasidas University, Bilaspur, 2018-2020.
- **Expert Member**, Building Works Committee, IIT Bhilai, 2019-2022.
- **Expert Member**, Building Committee, Chhattisgarh Pollution Control Board, Raipur, 2004.
- **Executive Member**, The Indian Institute of Architects, Raipur Centre, 2002-2004.
- **Vice President**, Indian Building Congress, Chhattisgarh State Chapter, 2018-21.
- **Student Chair**, ISHRAE Raipur subchapter, 2016.
- **Program Chair**, ISHRAE Raipur subchapter, 2017.
- **President**, ISHRAE Raipur subchapter, 2019.
- **President**, International Leadership Development Council, Chhattisgarh chapter, 2019-2022.
- **Expert Member**, Committee for Inspection of Architectural institutions in India, Council of Architecture (India), 2003-2004, 2009, 2011, 2014, 2019, 2022.
- **Convener**, Committee for Inspection of Architectural institutions in India, Council of Architecture (India), 2013, 2015, 2016, 2018.
- **Expert Member**, Committee for Inspection of Architectural institutions in Chhattisgarh, Deptt. of Technical Education, Govt. Of Chhattisgarh, 2013-14.
- **Expert Member**, Committee for Inspection of institutions in India, AICTE, 2019-2022.
- **Convener**, Committee for Affiliation of Architectural institutions in Chhattisgarh, Chhattisgarh Swami Vivekananda Technical University, 2015-2020.
- **Chairman**, Board of Examination in Architecture, Chhattisgarh Swami Vivekananda Technical University, 2015-2018.
- **Rapporteur**, National Seminar on a 360° View of Civil Engineering, Indore, 2008.
- **Rapporteur**, XXXVI IAHS World Congress on Housing Science, Kolkata, 2008.
- **Expert Reviewer**, Energy the International Journal, Elsevier, USA, 1999-2022.
- **Expert Reviewer**, Intelligent Buildings International, Earthscan, UK, 2009.
- **Expert Reviewer**, Energy & Buildings, Elsevier, USA, 2002-2017.
- **Expert Reviewer**, Energy Policy, Elsevier, USA, 2011-2022.
- **Expert Reviewer**, Energy for Sustainable Development, Elsevier, USA, 2015.
- **Expert Reviewer**, Cities, Elsevier, USA, 2009-2020.

- **Expert Reviewer**, Solar Energy, Elsevier, USA, 2009-2022.
 - **Expert Reviewer**, World Development, Elsevier, USA, 2009-2012.
 - **Expert Reviewer**, Progress in Planning, Elsevier, USA, 2009-2012.
 - **Expert Reviewer**, Automation in Construction, Elsevier, USA, 2009-2022.
 - **Expert Reviewer**, Building & Environment, Elsevier, USA, 2009-2012.
 - **Expert Reviewer**, Habitat International, Elsevier, USA, 2009-2012.
 - **Hony. Member, Editorial board**, Scientia research Library, 2014-2022.
 - **Editor**, International Journal of Housing and Human Settlement Planning, 2015-2022.
 - **Editor**, International Journal of Architecture and Infrastructure Planning, 2015-2022.
 - **Member**, Editorial Board, Journal of Interior Designing & Regional Planning, 2022.
 - **Member**, Editorial Board, Journal of recent activities in architectural sciences, 2022.
 - **Editor**, International Journal of Town planning and Management, 2015-2022.
 - **Editor**, Research & Reviews: Journal of Architectural Designing, 2019-2020.
 - **Editor**, Journal of Environmental Engineering and its Scope, 2019-2020.
 - **Editor**, Journal of sustainable Construction Engineering and Project management, 2019-2021.
 - **Expert Reviewer**, International Journal of Research in Advent Technology, 2014-15.
 - **Member Reviewer Board**, International Journal for Research in Emerging Science and Technology, 2015.
 - **Member Reviewer Committee**, International Conference on Disaster Management and Civil Engineering, 2016.
 - **Member Reviewer Committee**, International Conference on Green Buildings, Civil and Architecture Engineering, Singapore, 2015-16.
 - **Reviewer**, International Journal of Modern Trends in Engineering and Science, 2017.
 - **State Co-convenor**, Indian National trust for Art and Cultural Heritage, Chhattisgarh State, 2010-2022.
 - **Member, Task Group 77**, International Council for Research and Innovation in Building and Construction (CIB), 2010-2012.
 - **Member, W098**-Customised Industrial Construction, **W119**- Intelligent and Responsive Buildings, International Council for Research and Innovation in Building and Construction (CIB), 2013-2015.
 - **Expert Reviewer**, International Symposium on design and Research in Artificial and Natural Sciences (DRANS 2010-2012), USA.
 - **Expert Reviewer**, International Conference on Architecture, Structure and Civil Engineering, Antalya, Turkey, 2015.
 - **Reviewer**, International Conference on Urban Design, Transportation, Architectural and Environmental Engineering 2019, Lisboa, Portugal.
 - **Reviewer**, The International Journal of the Constructed Environment, Common Ground Research Networks, USA, 2021.
 - **Member**, Academic Council, State Institute of Urban Planning and Architecture, Rohtak, 2012-2013.
 - **External Member (Academics)**, Board of Studies in Architecture, Amity University Punjab, Mohali, 2021-2022.
 - **Member**, Board of Governors, NIT Raipur, 2019-2021.
 - **Member**, Scientific Board of Civil & Environmental Engineers, International Institute of Engineers, UK, 2013-14.
 - **Chairperson**, Smart Buildings India Summit 2013 Mumbai, 04.10.13.
 - **Member**, International Scientific Committee and Editorial Board on Architectural and Environmental Engineering, International Science Index, WASET, 2016.
 - **Coordinator**, International workshop on social implications in architecture under GIAN, NIT Raipur, 22.08.2016 to 29.08.2016.
 - **Coordinator**, International workshop conservation of urban environment through landscape architecture under GIAN, NIT Raipur, 26.12.2016 to 31.12.2016.
 - **Coordinator**, One-week workshop on Developing Heritage Route at Inner Raipur, 13.03.2018 to 17.03.2018.
 - **Coordinator**, Webinar on Reinterpreting Traditional Wisdom: Sustainable Architecture of Hassan Fathy, Department of Architecture, National Institute of Technology Raipur, 31.07.2021.
 - **Member**, Technical Advisory Committee, Sky Walk FOB Raipur, Govt. of Chhattisgarh, 2019.
 - **Chairperson**, One Week Short Term Training Programme On Sequential Design Decisions and Methods of Exploring Design Options, Department of Architecture, National Institute of Technology Raipur, 15.07.2019 to 19.07.2019.
 - **Jury**, International Urban Planning Workshop in Naya Raipur, 17 to 30 November 2012.
 - **Expert Jury Member**, State Cleanliness Award, Govt. of Chhattisgarh, Raipur, 19.11.2020.
 - **Member**, Board of Studies for Architecture, Biju Patnaik University of Technology Odisha, Rourkela, 2022-2024.
 - **Chairperson**, Indian Concrete Institute Raipur Center, 2023.
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