

# **RESUME**

Name : Sandeep Dua  
Father's Name : Sh. Chaman Lal Dua  
Permanent Address and address for Correspondence : H. No. 4, F-7/597, Street No. 2, Vijay Nagar, Batala Road, Amritsar, Punjab, India-143026

Sex : Male  
Nationality : Indian  
Date of Birth : Dec. 18, 1970  
Languages Known : Hindi, Punjabi, English, Sanskrit

## **1. Academic Qualifications (From Matriculation onwards):**

<b>Exam</b>	<b>University/ Board</b>	<b>Division</b>
Matriculation	P.S.E.B. Mohali, India 1985	First Class Distinction
Higher Secondary	P.S.E.B. Mohali, India 1986	First Class Distinction (State Merit)
B.Arch	G.N.D.U., Amritsar, India 1992	First Class
PG Diploma in Urban Design (equivalent to M. Arch Degree)	School of Architecture; Centre for Environmental Planning & Technology, Ahmedabad, India 1996	First Class
Sangeet Bhushan (Equivalent to Bachelors degree in Indian Classical Music-Vocal)	Pracheen Kala Kendra, Chandigarh, India 1997	First Class
Ph.D. in Architecture (On study leave with full pay by G.N.D.U.)	Indian Institute of Technology Roorkee, Roorkee, India 2006	--

**2. Topic of Ph.D. Research** : Relevance of Geometrical Systems in Contemporary Architecture

## **3. Other Areas of Interest**

- Geometry in architecture and urban design
- History & Theory of architecture and urban design
- Impact of globalization on contemporary architecture in India.
- Actively involved in visiting places of architectural importance (historical as well as contemporary), making slides, showing and discussing with students.

#### 4. Teaching

- Teaching B.Arch .and M,Arch (Urban Design) classes at Department of Architecture, Guru Nanak Dev University, Amritsar, India, since August. 1994.
- Visiting Faculty for B.Tech (Planning) classes at G.R. School of Planning, Guru Nanak Dev University, Amritsar, India in 1999.
- Associated in teaching of various subjects of B.Arch at Department of Architecture and Planning, IIT Roorkee from 2002-2005.
- Visiting Faculty for B.Tech (Food Science and Technology)) classes at Department of Food Science and Technology, Guru Nanak Dev University, Amritsar, India from 2007 to 2009.
- Visiting Faculty for Masters degree in Infrastructure Planning classes at G.R. School of Planning, Guru Nanak Dev University, Amritsar, India in 2009

#### 5. Other Examinations/Tests Passed

Passed TOEFL (Test of English as Foreign Language) in January 2000 with score of 617

#### 6. Record of Service

Joined as Lecturer on permanent basis in August 1994 at Department of Architecture, Guru Nanak Dev University, Amritsar, India.

Placed in Lecturer (senior scale) w.e.f. March, 2001;

Promoted as Reader w.e.f. December 2006;

Designated as Associate Professor w.e.f. December 2009;

Promoted as Professor w.e.f. December 2012;

Served as Head, Department of Architecture, Guru Nanak Dev University Amritsar from 01/7/2012 to 30/6/2015.

Appointed as Dean of the Faculty of Physical Planning & Architecture, GNDU w.e.f 01/07/2018 to 30/06/2020

#### 7. Participation in refresher courses/ summer schools/ other programmes of comparable quality as specified/ approved by AICTE since 2003:

	Course	From	Institution
i	QIP on 'Research in Methodologies Architecture'	Feb' 17,2003 to Feb' 21,2003	RV College of Engineering, Bangalore
ii	QIP on 'Emerging Trends in Colour Applications to Buildings'	June 30,2003 to July 04,2003	IIT Roorkee
iii	(AICTE-ISTE sponsored course on 'Rethinking our Cities- Contemporary Urban Design and	Sept' 29,2003 to Oct' 11,2003	M.S. University Baroda

	<b>Planning Practices'</b>		
iv	<b>'Earthquake Resistant Design for Built Environment'</b>	Dec' 15, 2003 Dec' 19, 2003	IIT Roorkee
v	QIP on <b>'Structural Aspects of Historical Buildings'</b>	Feb' 16, 2004 to Feb' 21, 2004	SV College of Architecture, Hyderabad
vi	TOT (Training of Trainers) Programme on <b>'Earthquake Resistant Design And Construction'</b> sponsored by Ministry of Home Affairs under NPCBAERM	Aug'07 , 2006 To Aug'12,2006	Indian Institute of Technology Roorkee, Roorkee
vii	STTP on <b>'Structural Steel Design'</b> sponsored by INS DAG, Kolkata	Dec'01,2008 to Dec'06,2008	Thaper University, Patiala
viii	QIP on <b>'Vision Graphics And Their Applications'</b>	Dec'21,2009 to Dec'25,2009	IIT Roorkee
ix	STC on <b>'Passive Solar Building Design'</b>	June 07,2010 to June 11,2010	NIT Hamirpur, Hamirpur
x	FDP on <b>'Applications of Geospatial Technologies in Architecture and Civil Engineering'</b>	Dec' 16, 2019 to Dec' 20, 2019	IKGPTU Mohali Campus-II
xi	PDP on <b>'Implementation of NEP-2020 for University and College Teachers'</b>	Nov'18, 2022 to Nov' 26, 2022	IGNOU, New Delhi (online mode)

## 8. Participation in Workshops/ Conferences

- Being Fellow member (earlier Associate member) of the Indian Institute of Architects, attended conferences at personal level that help in understanding the current insight in architecture thro' lectures and healthy interaction with practicing architects, faculty members of other institutions and intellects from other fields.
- Participated in one day workshop on 'Drafting a Patent Application' held at IIT Roorkee on Dec'13, 2002.
- Participated in one day workshop on 'Creative Art and Design in Technical Education' held at IIT Roorkee on Feb'23, 2008
- Participated in four day workshop on 'Building Physics And Energy Simulation' held at IIT Roorkee from January 27-30,2010.
- Participated in UGC sponsored three day 'Advanced Workshop on Research Methodology and Statistics' held at G.N.D. University from February 10-12, 2014.

- Participated in UGC sponsored short term course/workshop on 'Academic Administration' (Principals and Heads) held at G.N.D. University on June 4-5, 2015.
- International Symposium "Celebrating Le Corbusier's Chandigarh: 50 years after the Master" organized by Chandigarh Administration from October 9-12, 2015.
- Participated in a Summer School on "Sustainable Habitat" at Visvesvaraya National Institute of Technology, Nagpur from June 25-30, 2018.

#### **9. Memberships of learned societies and other academic bodies.**

- Registered with Council of Architecture, India.
- Fellow Member – Indian Institute of Architects, India.
- Life Member – Indian National Trust for Art and Cultural Heritage (INTACH)
- Life Member – Indian Society of Technical Education (ISTE)

#### **10. Paper Publication**

- Contributed a paper titled 'History – Spirit of Architects' in QIP Course cum Symposium on 'Teaching of History in Architecture' held from Feb 07, 2005 to Feb 11, 2005 at Sushant School of Art and Architecture, Gurgaon.
- Published a paper "Commercial Signage In The Urban Context" in the Journal of Indian Institute of Architects Mumbai in May 2006
- Presented a paper "Towards A Meaningful Industrial Architecture" at a National Seminar on Contemporary Industrial Architecture - Emerging Challenges held at Institute of Spatial Planning and Environmental Research, Panchkula on November 18, 2006.
- Published a paper "A Study On The Various Art Forms Found In Historic Sikh Shrines" in The IUP Journal of Architecture, Hyderabad in August 2010
- Presented a paper "Criteria for Material Selection in Green Buildings" at a National Seminar on Green Building Philosophy organized by HQ CE Bathinda zone on September 04-05, 2010.
- Published a paper "Making Open Spaces Sustainable" at an International Conference on 'Urbanism And Green Architecture' organized jointly by Department of Architecture, National Institute of Technology, Hamirpur (HP) and The Indian Institute of Architects (Chandigarh-Punjab Chapter), Chandigarh on October 30-31, 2010.
- Published a paper "Rain Water Harvesting-Importance & Techniques" in the Journal of The Indian Institute of Architects Mumbai volume 75, issue 10, October 2010
- Published a paper "Sustainable construction: Principles and Framework for Green Practices" at an International Conference on 'Green Cities::Design, Planning and Management ICGCDPM 2011"organized by Department of Architecture and Planning, Maulana Azad National Institute of Technology, Bhopal (MP) on January 21-23, 2011.

- Published a paper "Integration of Urban Form And Architecture Through Geometrical Systems In Indian Context' in The IUP Journal of Architecture, Hyderabad in August 2011
- Presented a paper "Green construction: A Necessity" at an International Conference on 'Rapid Advances in Sustainable Architecture –RASA 2011' held at Apeejay College of Fine Arts Jalandhar on August 26-27, 2011.
- Published a paper "Hill Architecture : Seismic Considerations" in the proceedings of an International Conference on 'Contemporary Architecture Beyond Corbusierism' organized by Indian Institute of Architects (IIA) Chandigarh-Punjab Chapter, Chandigarh as part of the YAF-2011 held at Chandigarh from October 14 to 16,, 2011
- Presented a paper "Re-establishing The Urban Identity of Amritsar" at a Conference on 'Advances in Architecture' held at Manipal School of Architecture & Planning, Manipal University on December 15-16, 2011.
- Published a paper "Architectural Evolution of Gurudwaras: An Overview' in The IUP Journal of Architecture, Hyderabad in February 2012.
- Published a paper "Passive Solar Concepts for Energy Efficient Building Design" in the proceedings of a National Conference on "Energy Efficient Design of Buildings: Seeking Cost Effective Solutions" organized by Department of Architecture, D.C.R. University of Science and Technology Murthal, India on February 6-7, 2012.
- Published a paper "Sustainable Architectural Development: A Necessity" in the proceedings of a National Conference on "Innovative Challenges in Civil Engineering" organized by Department of Civil Engineering, PTU Giani Zail Singh Campus, Bathinda, Punjab on March 15-16 2012,
- Published a paper "Influence of Spatial Attributes on Residential Location Choice by Households in a City"" in the journal 'Nagarlok' vol. XLIV, No. 2, April-June 2012.
- Published a paper "Sustainable Approach Towards Urban Identity of Medieval Cities: A Case Study of Amritsar"" in the journal 'Abacus' vol. 7, No. 1, Spring 2012
- Published a paper "Socio-economic and Demographic Characteristics of Households and Choice of Residential Location in a City"" in the journal 'Spatio-Economic Development Record vol. 19 No. 5 September- October 2012.
- Published a paper "Use of Natural Light in Buildings: Principles and Strategies" in the JA Journal of Architecture, published by Chandigarh College of Architecture and Copal Publishing Group Ghaziabad, volume 03, June 2013.
- Presented a paper "IMPERIAL DREAM: The problem of Styles" & accepted for publication in the proceedings of International Conference "Filling the Gaps: World Heritage and the 20th Century" being held in Chandigarh, India, on October 3-4, 2013, organized by Chitkara University, Punjab, India
- Presented a paper " Concepts of Sustainability in Medieval Cities: Case Study of Amritsar" published in the proceedings of National Conference "Advancements in Sustainable Practices and Innovations in Renewable

Energy- ASPIRE 2013” organized by Giani Zail Singh-PTU Campus, Bathinda, Punjab on October 10-11 2013,

- Published a paper “Colonial and Post Colonial Architectural Styles in India: A Study” in the Journal of The Indian Institute of Architects Mumbai volume 78, issue 12, December 2013
- Presented a paper “Urban Design for Sustainability: An Approach Towards Socially Sustainable Neighbourhoods” and published in the proceedings of National Conference on “Sustainable Neighbourhoods: Theories & Practices” held at MNIT Jaipur, India, on February 21-22, 2014,
- Published a paper “Why ‘Modern’ Architecture” in the proceedings of the International Conference on “Conservation of Modern Architecture and Restoration of Concrete Structures” organized by Chandigarh College of Architecture jointly with other organizations on April 03-05, 2014,
- Published online a paper “Scenario of Architectural education in India” in the Journal of The Indian Institution of Engineers (India): Series A., Springer India publishers, volume 95, issue 3, September 2014.
- Presented a paper “Modern Architecture: An Idea of Functionalism” and published in the proceedings of the International Conference on “Neo-International Conference on Habitable Environments” (NICHE 2014) organized jointly by Lovely Professional University and The Indian Institute of Architects at Lovely Professional University, Phagwara, Punjab, India, from October 31-November 02, 2014.
- Published a paper “Study of Symbolism and Decoration in the Housing of Walled City Amritsar” in the proceedings of the International Conference on “Neo-International Conference on Habitable Environments” (NICHE 2014) organized jointly by Lovely Professional University and The Indian Institute of Architects at Lovely Professional University, Phagwara, Punjab, India, from October 31-November 02, 2014.
- Published a paper “Streets in the Housing of Medieval Cities : A Visual Source of Cultural Identity” in the proceedings of the National Conference on “Re-Discovering Cities for a Sustainable Living Environment “organized jointly by School of Architecture Maharishi Markandeshwar University Sadopur, Ambala and The Indian Institute of Architects at School of Architecture Maharishi Markandeshwar University Sadopur, Ambala, Haryana India, on April 10-11, 2015
- Published a paper “Lutyen’s Delhi: The Contradiction Between Architectural Styles and Historic Urban Landscape” in the JA Journal of Architecture, published by Chandigarh College of Architecture and Copal Publishing Group Ghaziabad, volume 05, December 2015.
- Published a paper “Indian Medieval Domestic Space: Visual Quality of Decorated Facades” in the Journal of The Indian Institute of Architects Mumbai volume 81, issue 02-03, February-March, 2016.
- Published a paper” Strategies for wetland Conservation: Asset to Natural Infrastructure, Case of Surinsar-Mansar wetland in Jammu region of Jammu and Kashmir” in the International Journal on Emerging Technologies **8**(1): 497-503(2017).

- Published a paper “Unorganized Manufacturing Clusters and Planned Industrial Estates in India: Comparison of Physical and Socio-Economic Characteristics” in the proceedings of National Conference on “CITIES 2050: Planning, Governance and Management” held at MNIT Jaipur, India, on July 23-24, 2021.
- Presented and published a paper “Enhancing Safety and Livability in Maqboolpura, Amritsar: An Adaptive Approach to Crime Prevention in Informal Settlements” in the proceedings of National Conference on “Crime Prevented Through Environmental Design (CPTED 2023) organized by School of Planning and Architecture, New Delhi and ISAC Centre for Built Environment Policy held at School of Planning and Architecture, New Delhi, India, on September 21, 2023 (Qeios Publishing partner).
- Presented and Published a paper “Enhancing Livability in Informal Settlements: Addressing Adaptive Issues in Maqboolpura, Amritsar” in the proceedings of URGENT International Conference on ‘Future is Urban II- Urban Resilience, Capacity Building, Nature Based Solution’ held at Institute of Architecture and Planning, Nirma University, Gujarat, Ahmedabad, India on December 16-18, 2022 (published by Routledge 2024).
- Presented and Published a paper “Capacity Building of Stakeholders for Maintenance and Upgradation of Built Environment in Small and Micro Enterprises Clusters: A Case of Hosiery Cluster in Ludhiana” in the proceedings of URGENT International Conference on ‘Future is Urban II- Urban Resilience, Capacity Building, Nature Based Solution’ held at Institute of Architecture and Planning, Nirma University, Gujarat, Ahmedabad, India on December 16-18, 2022 (published by Routledge 2024).
- Published a paper “Livability Conditions in Maqboolpura, Amritsar: Sustainability Concerns” in the Journal of The Institute of Town Planners, India, volume 22, Number:1, January-March, 2025.
- Published a paper “Spatializing Spirituality: Urban Design and Sikh Religious Tourism in Anandpur Sahib, Punjab, India” in the proceedings of the International Conference on Religious Architecture organised by Department of Architecture and Planning, NIT Patna, India on December 29-30, 2024 (published by Department of Architecture and Planning, NIT Patna, May 2025).

#### **(b) Paper/s Communicated**

In Conferences - Nil

#### **11. Number of Ph.D. s guided**

- Ph.D. s completed/Degree awarded – Three  
 Karamjit Singh – “Understanding Sikh Architecture Through Sikh Shrines In East Punjab”- August 2012.  
 Pankaj Chhabra – “Influence of Works of Foreign Architects in India on Post-independence Architecture (1950-1980)” - March 2018.

Kuldip Singh – “Determinants of Residential Location Choice By Households in Amritsar City”- July 2020.

- Four are in progress.

## **12. Number of PG Thesis guided**

- Total 25(twenty five) number of M. Arch. Thesis supervised till date.

## **13. Contribution to other co-curricular activities**

- Participated in design competition floated by Municipal Corporation Amritsar regarding “Redevelopment of Ram Bagh Gardens, Amritsar” in 2001.
- Participated in design competition floated by Improvement Trust, Amritsar regarding designing “Parking Complex at Hall Bazar, Amritsar” in 2001.
- Designed the building for G.R. School of Planning above the Architecture Block, GNDU (2014-15). Approx. area 2200 Sq mt. Project Cost 04 Cr. Approx.
- Participated and won the Design Competition held in February 2021 organised by Amritsar Smart City Limited for the Project “ Streets 4 People Challenge”.

### **Providing consultancy in the project:**

Design of Environmental Park from Taranwala Bridge to Sultanwind Bridge (along UBDC canal), Amritsar on a 20 acres site, to be executed by Amritsar Development Authority. (Project Cost- Rs.- 04 Crores approx.)

## **14. Participation in the conduct of examination, question papers, evaluation**

- Performed examination duties during the end-semester examinations of B. Arch. since 1994.
- Acted as supervisor in UGC tests six times, once in JEE in 2006, once in PGET of Baba Farid University of Health Sciences in 2010.
- Evaluated answer books of G.N.D. University Amritsar, India, P.T.U. Jalandhar, India, MDU. Rohtak, India
- Worked as paper-setter for a PG-course in 2001 and 2002 and two UG courses in 2009 and 2010 conducted under G.N.D. University, India
- Performed as external examiner in final year thesis viva-voce examination in Bachelor of Design (Interior Design) course in 2007 and 2008.
- Worked as paper-setter for UG and PG courses of D.C.R. University of Science and Technology Murthal, India in 2009 and 2010.
- Worked as paper-setter for Entrance test for enrolment in Ph.D. program since 2010.
- Invited as a member of panel of experts to conduct interview for the selection of candidates for enrolment in Ph.D. programme in a university since 2010.
- Performed as external examiner in different subjects of Bachelor of Architecture course at different universities.
- Invited as external expert by different universities for evaluation at different stages of Ph.D. work of research scholars.



- Evaluated final Ph.D. thesis reports of different universities as external examiner since 2011.

#### **15. Participation in and contribution to the committee work in university bodies**

- Member, Faculty Board, Planning and Architecture for 1998-2000 and 2008-2010, 2010-2012, 2012-2014, 2014-2016, 2016-2018, 2020-2022, 2022-2024 chairperson of the faculty board 2018-2020.
- Active participation in the organization of Fine Arts competition of students in 1999 and 2000.
- Member, Planning Board, Guru Nanak Dev University ,Amritsar for 2007
- Member, Research Degree Committee, Department of Architecture, Guru Nanak Dev University, Amritsar.
- Member, Research Degree Board, Guru Nanak Dev University, Amritsar.
- Member, Academic Council, Guru Nanak Dev University, Amritsar 2012-2015 & 2018-2020.
- Member of the inspection committee for the commencement of Master in Interior Design programme at BBKDAV College ,Amritsar in September 2010
- Member, Board of Studies in Architecture, Shaheed Bhagat Singh State Technical Campus, Ferozepur, Punjab.
- Member, Board of Studies in Built Environment for Punjab Institute of Technology Khunimajra, Mohali, I.K. Gujral Punjab Technical University.
- Member, Board of Studies in Architecture, Chandigarh University, NH-95 Chandigarh-Ludhiana Highway, Mohali, Punjab

#### **16. Extension and field outreach activities such as lectures delivered in UGC sponsored Refresher Courses/Orientation Courses etc.**

- Organized/co-ordinated as Course Co-ordinator a Staff Development Programme (sponsored by AICTE) of one week duration at GNDU, Amritsar on the theme CONTEMPORARY ARCHITECTURAL PRACTICES IN INDIA. Rs. One Lakh was sanctioned for this purpose by AICTE. The programme was organized from March 5-9, 2007.
- Delivered expert lecture "GEOMETRY IN CONTEMPORARY ARCHITECTURE" as resource person in the above mentioned programme on March 7, 2007.
- Delivered expert lecture "IN SEARCH OF CONTEXTUAL ARCHITECTURE" as resource person on March 12, 2012 in a 3-week interdisciplinary refresher course on "Emerging Technologies/Applications of Information Technology" held from February 23, 2012 to March 14, 2012 at Academic Staff College, G.N.D. University, Amritsar.
- Delivered lectures as Resource person on 22/12/2017 in Faculty Development Programme on "Earthquake Resistant Buildings" sponsored by PITTTR-IKGPTU, organized by Department of Civil Engineering, Global Institute of Management and Emerging Technologies, Amritsar from December 20-27, 2017.

- Delivered a lecture “CITIES FOR EVERYDAY LIFE-EXPLORING THE HUMAN ANGLE” as resource person on February 07, 2022 in a Two-week Online Winter School (Inter/Multidisciplinary) from 28-01-2022 to 11-02-2022 organized by UGC Human Resource Development Center, Guru Nanak Dev University, Amritsar
- Completed a research project of three year duration by AICTE on the topic: **AN ANALYTICAL APPROACH TOWARDS INTEGRATION OF URBAN FORM AND ARCHITECTURE THROUGH PROPORTIONAL HARMONIES** with financial assistance of Rs 3.50 Lac in 2012
- Worked as NATA Test Center Incharge for conducting NATA(National Aptitude Test in Architecture) in 2008 and 2009
- Coordinated a zonal event for NATIONAL; AWARDS IN ARCHITECTURAL THESIS 2009 promoted by CoA-NIASA held at Department of Architecture, Guru Nanak Dev University, Amritsar for conducting Zonal juries zone-1 from September 3-5,2009.
- Acted as resource person twice for two MASON TRAINING PROGRAMS each of 4-day duration on Multi-Hazard Resistance Construction Technologies organized by Amritsar District Administration during 01/12/2009 -04/12/2009 and 24/02/2010-27/02/2010 under Urban Earthquake Vulnerability Reduction Project sponsored by Government of India, U.N.D.P, Punjab Government.
- Chaired a session in the National Conference “Advancements in Sustainable Practices and Innovations in Renewable Energy- ASPIRE 2013” organized by Giani Zail Singh-PTU Campus, Bathinda, Punjab on October 10-11 2013.
- Delivered keynote address and chaired a session in the National Conference ‘Urban Environmental Management In India: Problems And Prospects” organized by held at MNIT Jaipur, India on February 13-14, 2017.
- Reviewer of papers for a National Seminar on Architecture for Masses on the theme of “ Environmental Remediation & Rejuvenation” organized by the Department of Architecture, Faculty of Architecture & Ekistics, Jamia Millia Islamia on February 22-23, 2018.
- Reviewer of papers for an International journal “Environment, Development and Sustainability” published by Springer.
- Appointed by the Council of Architecture, India as member of different Inspection Committees for undertaking inspection of various institutions imparting architectural education across the country.
- Appointed as member/member coordinator/chairperson of the Peer Teams by NAAC, India for accreditation of institutions since 2020.

## 17. Other Relevant Information

- Nominated twice by Govt. of India in 1999 and 2000 for Commonwealth Scholarship for doctoral research in Canada for final selection.

- Appointed as Corresponding Editor and member of Editorial Board of an international e-journal 'Nexus Network Journal', peer reviewed journal for architecture and mathematics, for the years 2004 and 2005 (visit. [www.nexusjournal.com](http://www.nexusjournal.com)).
- Appointed as member of selection committees for faculty recruitment at different universities.

**Dated: 02-05-2024**

**Sandeep Dua**