

RESUME

Abdul Halim Babbu, Ph.D.

Associate Professor

Department of Architecture, Jamia Millia Islamia, New Delhi-110025, INDIA

Email: ababbu@jmi.ac.in, Phone: +91 9871424362

KEY EXPERIENCE

- Teaching Architecture at Undergraduate, Postgraduate as well as PhD courses.
- Designed and executed multifarious projects ranging from Commercial, Residential, Housing, Farm-houses, Nursing homes, Hospitals, and Thermal power plants with an added emphasis on Institutional buildings.

EDUCATIONAL QUALIFICATION

- **Ph.D. in Healthcare Architecture** **2023**
National Institute of Technology Patna, India
Thesis: Evidence-based Framework for Designing and Evaluating Pediatric Healthcare Facilities in India
- **Master of Architecture** **2008**
Jamia Millia Islamia, New Delhi, India
First division (Hons.) having 78.6% marks (Gold Medalist)
- **Bachelor of Architecture** **1998**
Aligarh Muslim University, Aligarh, India
First division (Hons.) having 79.68% marks & 3rd position.
- **Diploma in Civil Engineering** **1992**
Aligarh Muslim University, Aligarh, India
First division (Hons.) having 84.84% marks.

COMPUTER SKILLS

- **Auto Cad (2D&3D)**, 3D Studio-Max, Revit, Archi CAD, Photoshop, MS Office etc

COURSES TAUGHT

- At the undergraduate level, taught a variety of subjects like "Architecture Design, Building Construction, Computer Application, Building Bye laws, Estimating & Costing, Climatology and Theory of Structures.
- At Post graduate level I am associated with M. Arch (Medical Architecture) & Pedagogy.

ADMINISTRATIVE RESPONSIBILITIES

- Coordinator, M. Arch (Healthcare Architecture) 2023-24
- Head, Department of Architecture from Sept 2013 to Sept 2016
- Member, Selection Committee, ITM University, Gwalior, January 2016

- Member of Anjuman (Court), w.e.f. 12.01.2016 till Sep 2017
- Member of Academic Council, Jamia Millia Islamia from 2013 to 2016
- Member of Faculty Committee, Faculty of Architecture & Ekistics, Jamia Millia Islamia, from Sept 2013 to Sept 2016
- President Subject Association, Department of Architecture, Jamia Millia Islamia, from Sept 2013 to Sept 2016
- Member of Board of Studies, IFTM University, Moradabad w.e.f March 2015 till date
- Member of Board of Studies, Department of Architecture, AMU Aligarh w.e.f 2013-15
- Member of Board of Studies, Department of Architecture, Invertis University Bareilly w.e.f October 2013 till date
- Tabulator for Stage II, B. Arch 2010-11
- Member of Anti Ragging Squad from 2010 to 2012
- Superintendent B. Arch Entrance Test, Patna Centre 2010-11
- Co-coordinator of M. Arch (Medical Architecture) from 2008 till date
- Member of Academic Council, Jamia Millia Islamia, 2007-2009
- Assistant Proctor from 2006 to 2012
- Member of Flying Squad from 2006 to 2012
- Co-coordinator of B. Arch III year since 2005 to 2013

JOURNAL PUBLICATIONS

- **Babbu, A. H.** (2024). Exploring the Evolution and Trends of Space Syntax in Healthcare Built-Environment Research: A Bibliometric Overview. *Industrial Engineering Journal*
- **Babbu, A. H.** (2024). Evidence based design: A sustainable approach for planning and designing pediatric healthcare environments. *Journal of Design and Built Environment*, 24(02), 57–70. URL: <https://ejournal.um.edu.my/index.php/jdbe>
- **Babbu, A. H.** (2023). Mapping Space Syntax as a Computational Tool: A Bibliometric Analysis. *Journal of Engineering Science and Technology Review*, 16(6), 82–89. <https://doi.org/10.25103/jestr.166.10>
- **Babbu, A. H., & Haque, M.** (2023). Design Characteristics for Sustainable Pediatric Healthcare Environments: Stakeholder's Perception. *European Journal of Sustainable Development*, 12(1), 113. <https://doi.org/10.14207/ejsd.2023.v12n1p113>
- **Babbu, A., & Haque, M.** (2023). A framework for the design of pediatric healthcare environment using the Delphi technique. *Ain Shams Engineering Journal*, 14(5), 101975. <https://doi.org/10.1016/j.asej.2022.101975>
- **Babbu, A. H., & Haque, M.** (2021). Effects of the Physical Environment of Pediatric Healthcare Settings on Health Outcomes of Patient & Family and Staff. *International Transaction Journal of Engineering, Management, & Applied Sciences & Technologies*, 12(12). <https://doi.org/10.14456/ITJEMAST.2021.240>
- **Babbu, A. H.** (2016). "Flexibility": A key concept in Hospital Design. In *International Journal of Application or Innovation in Engineering & Management* (pp. 24–28), in Volume 5, Issue 5, May 2016, ISSN 2319-4847, Impact Factor- 5.427
- **Babbu, A. H., & Anwar, M. F.** (2016). Bio-climatic Design Strategies for Buildings in Delhi, India. V(Iv), 1–7, in Volume V, Issue IV, April 2016, ISSN 2278-2540, Impact Factor- 2.115

BOOK/BOOK CHAPTER PUBLICATIONS

- **Babbu, A. H.** (2024). Healing by Design: Physical Environment Attributes of Pediatric Healthcare Settings for Positive Health Outcomes. In *New Vision in Medicine and Medical Science* (pp. 39–49). B.P. International. <https://doi.org/https://doi.org/10.9734/bpi/nvmms/v8/8620E>

- **Babbu, A. H. (2024).** Emerging Technologies in Electrochromic Windows for Sustainable Building. In Science and Technology- Recent Updates and Future Prospects (Vol. 3, pp. 101–109). B.P. International. <https://doi.org/10.9734/bpi/strufp/v3/198>, URL: <https://www.bookpi.org/bookstore/product/science-and-technology-recent-updates-and-future-prospects-vol-3/>
- **Babbu, A. H. (2024).** BAMBOO: AN EMERGING SUSTAINABLE CONSTRUCTION MATERIAL. In Research and Reviews in Material Science Volume I: Vol. I (pp. 23–30). <https://www.bhumipublishing.com/book/>, URL: <https://www.bhumipublishing.com/book/>

PAPER PRESENTATION

- Presented paper on **“Green Concepts in Healthcare Facilities: A Sustainable Approach for Enhancing Patient Health and Wellbeing”** at International Conference on Renewable Energy and Sustainable Technologies, July 4-6, 2024, Jamia Millia Islamia, New Delhi.
- Presented paper on **“Urban Waste- Liability or Energy Resources”** at Eco Summit 2016, a National Workshop and Exhibition at Aligarh Muslim University Aligarh on February 23, 2016.
- Presented paper on **“Healthcare Systems in India: An Overview”** at V National Conference on Architecture for Masses- February 13-14, 2013 at Jamia Millia Islamia, New Delhi
- Presented paper on **“Islamic Architecture- Concepts & paradigms”** at International Conference on Islamic Arts & Architecture- November 11-13, 2011, Jamia Millia Islamia, New Delhi
- Presented paper on **“Urban Regeneration: A Comprehensive Strategy”** at IV National seminar on Architecture for Masses- March-24-25,2011, Jamia Millia Islamia, New Delhi
- Guided **B. Arch thesis** titled **“AIIMS Apex Healthcare Institute in Rishikesh, Uttaranchal** “published in National Magazine (Architecture + Design, 2010)
- Guided **B. Arch thesis** titled **“The Black Taj Complex Agra”** published in National Magazine (Architecture + Design, December 2007 issue)
- Presented paper on **“Mausoleum of Sher Shah Suri – a noble specimen of Islamic Architecture** “at III International Conference on Islamic Architecture – December 10-12, 2007, Jamia Millia Islamia, New Delhi
- Presented paper on **“Appraisal of Delhi Master Plan 2021”** at III National Seminar on Architecture for Masses-2006, Jamia Millia Islamia, New Delhi
- Presented paper on **“Bamboo: An Alternative material for Mass adaptation”** at II National Seminar on Architecture for Masses- Oct 3-4 2005, Jamia Millia Islamia, New Delhi

INVITED TALK

- Invited as expert speaker by Amity University Chhattisgarh and delivered a lecture on the topic **“Architectural Design pedagogy for Engaging Studio Experiences”** in Faculty Development Programme on 02 August 2023
- Delivered talk on “Planning and Design Considerations for multi-specialty hospitals at Department of Architecture, AMU Aligarh on March 03, 2017.

- Delivered talk on “**Climate Responsive Traditional Architecture**” at Rabindranath Tagore Institute of Architecture & Design, Faridabad- February 14, 2015
- Delivered talk on “**Women in the informal settlements: Bihari Immigrants**” on October 03, 2012 at Jamia Millia Islamia, New Delhi

WORKSHOP ATTENDED/ORGANISED

- Attended 8 days short-term course on “**NEP 2020 Orientation & Sensitization Programme**” from 04-14 March 2024 organized by MMTC, Jamia Millia Islamia, New Delhi
- Participated in a **Workshop for Course finalization of M. Arch (Healthcare Architecture)** on 03 August 2023 at the Department of Architecture, Jamia Millia Islamia, New Delhi
- Organized one day workshop on **M.Arch Healthcare Architecture (An Academia-Industry Collaboration)** on 3rd July 2023 organized by Department of Architecture, Jamia Millia Islamia, New Delhi
- Appointed as **item writer (question paper setter)** by Uttar Pradesh Public Service Commission for the post of Assistant Town Planner by Uttar Pradesh Public Service Commission
- Attended a short-term course on “**Recent Research Techniques in Architecture and Planning**” from 15-19 May 2023 at the National Institute of Technology Patna
- Attended 5 days short-term course on “**Recent Research Techniques in Architecture and Planning**” from 17-21 August 2022 at the National Institute of Technology Patna
- Chaired Session in JTA Multidisciplinary International conference JTACON on Feb 17, 2020
- Organized “The International Conference on “**Architecture Pedagogy**” from 11-13 November 2019 at the Faculty of Architecture & Ekistics, Jamia Millia Islamia, New Delhi
- Participated in a photography exhibition titled “**Elements & details (of &in) Architecture Design**” from 11-17 November 2019 at the Faculty of Architecture & Ekistics, Jamia Millia Islamia, New Delhi
- Organized 1st National Symposium “**Confluence 18: Architecture & Healthcare – Better Evidence, Better Design, Better Facilities**” by Dharamshila Narayan Superspeciality Hospital & F/o- Architecture & Ekistics on 13 October 2018 at the Faculty of Architecture & Ekistics, Jamia Millia Islamia, New Delhi
- Attended 8 days short-term course under the Quality Improvement Programme on “**Energy Conservation and Management in Buildings & HVAC systems**” from June 6-13, 2016 at the Indian Institute of Technology (IIT) Delhi
- Organized “**4th Habib Rehman Memorial Lecture Series**” held on February 03-05, 2016 at Jamia Millia Islamia, New Delhi
- Organized an international joint workshop for the students of the **Department of Architectural Engineering, Alexandria, Egypt**, and students of Jamia Millia Islamia, on February 02, 2016
- Attended a workshop titled “**Green Buildings in India: Present Practices & Future Prospects**” organized by the Department of Civil Engineering, JMI on August 27, 2015.
- Contributed to the development of the course at “**National Institute of Open Schooling (NIOS)**”, at Noida, 11&13 March 2015.

- Attended a workshop on “**Energy Efficient Homes**” on November 27, 2014, at The Energy & Resource Institute (TERI), New Delhi organized by TERI in collaboration with the National Housing Bank
- Attended 3 weeks of training in DST funded program on “**Geospatial Technologies**” from 2nd to 23rd June 2014 at the Department of Geography, Jamia Millia Islamia, New Delhi.
- Organized “**3rd Habib Rehman Memorial Lecture Series**” held on November 11-13, 2014 at Jamia Millia Islamia, New Delhi
- Organized “**2nd Habib Rehman Memorial Lecture Series**” held on February 21-23, 2014 at Jamia Millia Islamia, New Delhi
- Participated in “**National Conference on Safe and Sustainable Hospital**” organized by Academy of Hospital Administration, on 9th February 2013.
- Participated in “**One-week Professional Development Program for Senior Faculty**” organized by UGC-ASC, Jamia Millia Islamia, New Delhi from December 16-21, 2013
- Participated “**National Seminar- Architecture for Masses V**” held on February 13-14, 2013 at Jamia Millia Islamia, New Delhi
- Organized “**Black Taj- A Myth and Manifestation**” held on November 21-24, 2012 at Jamia Millia Islamia, New Delhi
- Attended **ESRI India Conference** at NOIDA, 05-06 December 2012
- Organized “**1st Habib Rehman Memorial Lecture Series**” held on December 09, 2012, at Jamia Millia Islamia, New Delhi
- Organized “**International Conference on Islamic Arts & Architecture**” held on November 11-13, 2011 at Jamia Millia Islamia, New Delhi
- Organized “**National Seminar- Architecture for Masses-IV**” on Urban Regeneration held on March 24-25, 2011 at Jamia Millia Islamia, New Delhi
- Attended two days’ workshop on “**Solar Water Heating- Relevance to end users**” on February 23-24, 2011 IIPA, New Delhi organized on behalf of the Ministry of New and Renewable Energy, Government of India
- Attended four weeks of “**Orientation Program**” at Jamia Millia Islamia, New Delhi from 20th February to 19th March 2008
- Organized “**SAARCH-2008**” (Students Asian Association for Regional Cooperation of Architects) at Jamia Millia Islamia, New Delhi from March 12-14 2008.
- Organized “**International Conference on Islamic Arts & Architecture**” held on November 10-12, 2007 at Jamia Millia Islamia, New Delhi
- Organized joint “**workshop at Germany**” for students of architecture, Jamia Millia Islamia, New Delhi and students of architecture, University of Applied Sciences, Erfurt, Germany from October 19-28, 2007
- Attended a short-term course on “**Building in Public Realm-II -Green Buildings**” at the School of Planning and Architecture, New Delhi from January 8-12 2007

- Attended a one-week training program on “**Earthquake risk Management**” at the School of Planning and Architecture, New Delhi from 30th January to 4th February 2006
- Attended a short-term course on “**Earthquake Resistant Structure for Architecture**” at I.I.T Roorkee from August 8-12 2005
- Attended Review workshop on “**Resource Material in earthquake engineering**” at I.I.T Kanpur from 01-05 August 2005

THESIS ADVISING

Doctoral Research Supervision

- Mohd. Arqam Khan, Topic: Developing a framework for disaster resilient healthcare architecture
- Arafat Aziz, Topic: Healthcare Architecture

ACADEMIC SERVICES

Journal Reviewer

• Applied Spatial Analysis and Policy, ISSN: 1874-463X, an SSCI journal	2023-2024
• Architectural Engineering and Design Management, , ISSN: 1745-2007, a Scopus/SCI journal	2024

Conference Reviewer

• 2nd International Conference on Recent Advancements in Materials, Design & Manufacturing	2024
• International Conference on Climate Change, Cultural Heritage and Sustainable Habitat held on February 17-18, 2024 at Department of Architecture, National Institute of Technology, Patna.	2024

Syllabus revision

• Expert, for syllabus revision of “Sustainable Built Environment,” for the Department of Natural and Applied Sciences, TERI, School of Advanced Studies	2024
• Member, syllabus revision committee of M. Arch (Healthcare Program)	2023-24

Jamia Millia Islamia, New Delhi, India

• Coordinator, M. Arch (Healthcare Architecture)	2023 onwards
• Coordinator, B. Arch III year	2023 onwards

REVIEW COMMITTEE

- Appointed as assessor by **National Research Development Corporation (NRDC)**, An Enterprise of DSIR, Ministry of Science & Technology, Govt. of India in the year 2015-16 for evaluating applications for NRDC Meritorious Invention Awards of the year 2014.

Member of Board of Studies /Faculty Committee

- Appointed as member of Board of Studies of Department of Civil and Architecture Engineering, School Engineering and Technology, IFTM University Moradabad in the academic session 2013-14
- Appointed as member of Board of Studies at Invertis University, Bareilly in the academic session 2013-14
- Appointed as member of Board of Studies of Department of Architecture, AMU Aligarh in the academic session 2015-16
- Appointed as member of Board of Studies of Department of Civil and Architecture Engineering, School Engineering and Technology, IFTM University Moradabad in the academic session 2015-16

Expert /Member of Technical Committees

- Appointed as expert of Subject Expert Group for Architecture to review the course proposals by Consortium for Educational Communication on February 09, 2019 at CEC New Delhi
- Appointed as expert of Subject Expert Group for Architecture to review the course proposals by Consortium for Educational Communication on February 16, 2019 at CEC New Delhi
- Life member of "The Indian Society for Technical Education" since April 2024

PROFESSIONAL SUMMARY

A professional career of (5+13) years, experience in designing a wide variety of projects in association with leading Architects and prestigious firms. I used my involvement in almost all stages of the project starting from concept development to execution. I handled sizeable projects and, in that course, developed the requisite skill of coordinating with a multi-disciplinary team comprising of Structural, Electrical, Mechanical or Air -conditioning Engineers.

WORK EXPERIENCE

1. DEPARTMENT OF ARCHITECTURE, JAMIA MILLIA ISLAMIA, NEW DELHI

Designation	Period
Head	Sept 2013 to Sept 2016
Associate Professor	Aug 2010 to date
Assistant Professor	Feb 2009 to July 2010
Lecturer	Sept 2003 to Jan 2009

As a departmental consultancy project, I worked on various projects within the university as well as outside the university, like

- **King Abdullah Bin Abdul Aziz Medical Centre, JMI, New Delhi**
- **Vetted Architectural Drawings for Senior Secondary School at Rohini, for Govt. of NCT of Delhi**
- **Masjid at Abul Kalam Azad Islamic awakening Center, New Delhi**
- **Centre for Information Technology, JMI, New Delhi**
- **Centre for Management Studies, JMI, New Delhi**
- **Construction Yard Building of Department of Architecture, JMI, New Delhi**

- Faculty of Architecture & Ekistics building JMI, New Delhi
- Viewers Gallery, Bhopal Ground, JMI, New Delhi
- Boys Hostel Masjid, JMI, New Delhi

2. M/s DEVELOPMENT CONSULTANTS PRIVATE LIMITED, NEW DELHI

Designation- Project Architect

(March-02 to Aug-03)

Joined DCPL in March 2002 with complete responsibility for Architectural jobs. As a Project Architect, I was responsible for the preparation of all the architectural drawings/ documents required at the site or other Engineering disciplines and co-ordination with them with a special emphasis on 3-D views to explain our concepts. Periodic site visit to ensure the construction is going to the satisfaction. Major responsibilities are mentioned as under.

- Preparation of
 - ❖ Concept design
 - ❖ Sanction drawings & Documents as per local bylaws and norms.
 - ❖ Preliminary or Detailed Estimate & Specifications.
 - ❖ BOQ, Tender drawings and Documents.
 - ❖ Construction drawings.
 - ❖ 3-D views
- Interaction & correspondence with the site.
- Co-ordination with other Engineering Disciplines
- Documentation of the Department papers under ISO 9001 norms

The list of the projects on which I worked are as mentioned below.

- I. **Bio-Tech Centre for University of Delhi, South Campus. (Client Delhi State Industrial Dev. Corp. Ltd):** - It is high-tech. building for research scholars, with very sophisticated laboratories. It is a four-storey building, which is centrally air-conditioned. Most of the laboratories have different degrees of cooling and different hours of cooling depending upon the nature and performance of the machines used in those laboratories.

The site is rocky with steep contours. Water level is very low and scarce that's why we recommended air-cooled system. New materials and technologies have been used to make the building more functional and appealing. To minimise the load of air conditioning we have recommended insulating glass in southern and western windows. O match with the existing building somewhere stone façade is also used.

(Total plot area is 2.00 Acres and estimated cost =8.00 Crores)

- II. **National Institute for Animal Welfare, Faridabad (Client Govt of India):-** It is a full-fledged campus built for the welfare of sick animals. The institute has an academic block, a hospital for animals, and hostel for students, staff quarters, a cafeteria, and an open-air theatre. Most of the buildings have been constructed with Fly- ash blocks instead of bricks. FerroCement has been extensively used in door and window frames, domes, vaults etc. A new technology named "Horizontal planted filters for decentralisation of wastewater treatment" has been used.

- III. **(2x250 MW UNIT) Suratgarh Thermal Power Station, Rajasthan Rajya Vidyut Utpadan Nigam Ltd.:** - It is a big campus for power plants as well as residential and recreational areas for the staff. Plant structures are very heavy structures with too many intermediate levels. Following are the important buildings we have designed.

- a) Main Powerhouse building/ T.G. Building: - The covered area of the building is approx. 15,000 Sqm and it is 35 meters high
- b) Mill Building: - The Covered area is approx. 2,500 Sqm, and is 60 metres high.
- c) Service building
- d) Ash water/ Slurry pump house.
- e) Club building: The covered area is 800 Sqm and an estimate is yet to be worked out, which is expected to be approx. 70 Lakhs.

- IV. **(2x250 MW UNIT) Tau Devi Lal Thermal Power Station, Panipat:** - This project is in the planning stage. Requirements are like the above-mentioned Suratgarh Thermal Power Station.

Achievements

- Won a National level Architectural Design competition for
 - ❖ Bio-Tech Center for University of Delhi, South Campus for Delhi State Industrial Development Corp.
 - ❖ National Institute for Animal Welfare for Ministry of Environment & Forests, Govt. of India

3. SURESH GOEL & ASSOCIATES, NEW DELHI

Designation- Architect (Sept. 2000 to Feb. 2002)

As an Architect, I worked on the concept and working details of the following major Architectural projects.

- I. **Redevelopment of Old Police Lines, Delhi:** - It was a very prestigious project which housed the office of different commissioners of police, a Museum, men's and women's barracks, and four categories of housing depending upon their status. Office complexes were 5-7 storied, and the residential complexes were three storied.
(The total plot area was 7.5 acres and the construction was in two phases.)
- II. **Bhaskaracharya College at Dwarka, Delhi:** - This college was for applied sciences with classrooms, lecture theatres, an audio-visual hall, an open-air theatre etc. Most of the buildings were three stories high.
(Total Plot area was approx. 6.0 Acres and the estimated cost was 9.5 Crores.)
- III. **Group housing at 19, Rajpur Road, Delhi:** - The site is situated in Delhi's Civil Lines area. The total dwelling units were 15 with basement/stilt parking. Some units were duplexes. The total covered area was 2.5 Acres.
- IV. **Competition for I.S.B.T. at Sarai-Kale Khan, New Delhi:** - It was a design competition for the Interstate bus terminus, which we have in the first stage only.

Apart from design detailing, my responsibilities included checking & coordinating with other engineering disciplines, periodic visits to construction sites and interaction with clients.

Achievements

- Completed most of the jobs undertaken uninterruptedly in the shortest possible time

4. AJAY KHANNA & ASSOCIATES, NEW DELHI

Designation- Architect (June 1998 to Aug. 2000.)

As an Architect, I worked on the concept and working details of the following major Architectural projects.

- I. Office building for Nestor Pharmaceuticals, at Okhla, New Delhi.
- II. Abu Plaza at Meerut, having approx. 400 shops.
- III. Farm House at Asola village, Delhi
- IV. Residential units (Apartments) at 10, under Hill Lane, Delhi.
- V. Nursing Homes at Muzaffarnagar, Dehradun etc.
- VI. Office Building for H.B.D. Packaging at Okhla, New Delhi
- VII. Residential Units at 18 Rajpur Road, Delhi.
- VIII. Factory & Office building for Stag International, at Meerut.
- IX. Residential units at Nand Vihar, Meerut.
- X. Residence at various places.
- XI. Manual & Computer rendered Perspective Views.

PROFESSIONAL AFFILIATION

- Member Council of Architecture.

LANGUAGES

- Proficient in Written & Spoken English, Hindi, & Urdu.

CORRESPONDENCE ADDRESS

Department of Architecture,
Faculty of Architecture & Ekistics

Jamia Millia Islamia, New Delhi-25, Ph-(011)2698-3169, M- 9871424362

E-mail: ababbu@jmi.ac.in & ahbabbu@gmail.com

PERSONAL DETAILS

Father name: Mr Wakil Ahmad

Date of Birth: 29.09.1974

Gender: Male

Marital Status: Married

Nationality: Indian

PLACE: New Delhi

DATE: 27.12.2024

(ABDUL HALIM BABBU)