Bio-Data

Dr. Abraham George
Associate Professor
Department of Architecture and Regional Planning
Indian Institute of Technology Kharagpur
Kharagpur, West Bengal, Pin 721302, INDIA

Dr. Ar. Abraham George is born on the Seventh of December, 1963. He has graduated with *First Rank* in **B. Arch** from the University of Kerala in December 1986, secured **M. Arch** with *Excellent Grade* from Indian Institute of Technology, Kharagpur, in 1991 and **Ph.D** in Development of symbolic tools for communication in Architecture from Calicut University, in 2005. He worked as an active faculty member of the Department of Architecture, National Institute of Technology-Calicut, from August 1988 to January 2009, and has contributed to the cause of Architecture through institution development, numerous building and interior projects; including the prestigious administrative complex of NITC, research projects, numerous published papers, teaching and invited lectures. He was awarded the **John Crawford Scholarship** by the Government of Australia, 1992 and **Fulbright Research Fellowship** 2003-04 with centre of research at the Department of Architecture, Cornell University, New York. The Nehru Trust for Cambridge Collections, Victoria Albert Museum, UK had awarded him research grant for 2005-06. His paper "Gazing into the future of Architecture; An evolving profession" was awarded the **Best Faculty Paper Award** in the Golden Jubilee Conference of School of Architecture and Planning Chennai, February 2008. He is currently Member Board of Studies of School of Architecture and Planning, Anna University and University of Calicut, Member of the Editorial Board of(i) **Education and Practice** published by **IISTE US**, (ii) **ICFAI** Journal of Architecture, Journal of Emerging Trends in Educational Research and Policy Studies – **JETERAPS**, Reviewer, **(iii) Journal of Architectural Engineering**, American Society of Civil Engineers, **(iv) Journal of design Studies**, published by **IISTE US**, and Member of Review panel of **International Congress, Petronas University**, Kuala Lumpur. He worked as the Chairman - Academic Board, IIA Kerala Chapter, Vice-Chairman–IIA Calicut Center, till February 2009. Formerly, he contributed as the Head of the Department of Architecture and gladly built up the Department of Architecture, NIT Calicut to the national level accredited by the Council of Architecture in the year 2009. Dr. Abraham George is currently working as **Associate Professor**, with effect from January 29, 2009 at the Department of Architecture and Regional Planning, Indian Institute of Technology Kharagpur.

AREAS OF EXPERTISE:
- Architectural Design of all types of buildings
- Urban Design and Preservation documentation
- Semiotics and Spatial Communication in Architecture
- Pedagogy in Architectural Education
- Sustainability and Landscape Architecture
- Interior Design and Ergonomics
- Culture, Architectural Anthropology and Heritage Studies
- Visual communication, Print, Media, Graphic Design in Architecture

Bio-Data

Dr. Abraham George

1.	Name	:	**ABRAHAM GEORGE**
2.	Department	:	**Dept. of Architecture and Regional Planning**
		:	**Indian Institute of Technology Kharagpur**
3.	Date of Birth	:	**December 07, 1963**

4. Entry Cadre and date of Joining : **Lecturer, August 24, 1988 (FN) at NIT Calicut**

5. a. Present Cadre and pay as on January 29, 2009 : **Associate Professor of Architecture**

b. Email : **profageorge@gmail.com,   abraham@arp.iitkgp.ernet.in**

c. Telephone : **+ 91-3222-283236** (O), **- 283237** (R) Cell: **+ 91-9434742367**

6. Education qualification starting from the most recent one in the reverse order:

Sl. No.	Degree Acquired	Date and Month	Name of the Institute	Name of the University/Institute	Remarks
1.	**Ph. D**	**November 28, 2005**	**National Institute of Technology Calicut**	**University of Calicut Kerala**	**Development of symbolic tools for communication in Architecture**
2.	**Advanced Leadership studies**	**June 2006**	**Haggai Institute, Maui, Hawaii, USA**	**Haggai Institute, Maui, Hawaii, USA**	**Leadership skills**
3.	**Fulbright Fellowship**	**January 2004**	**Cornell University, New York**	**Cornell University, New York**	**GPA 3.96/4.0 Excellent Grade**
4.	**M. Arch**	**July 27, 1992**	**Indian Institute of Technology, Kharagpur**	**Indian Institute of Technology, Kharagpur**	**CGPA - 9.42/10 Excellent Grade**
5.	**B. Arch**	**April, 1986**	**College of Engineering, Thiruvananthapuram**	**University of Kerala**	**First Class 69.3%, First Rank**

7. i. Member of Doctoral Committees:

- o Anna University Chennai, Tamil Nadu, India
- o Cochin University of Science and Technology Cochin, Kerala, India
- o Manipal University, Karnataka, India
- o Sardar Vallabhbhai National Institute of Technology, Surat, Gujarat, India
- o Visvesvaraya National Institute of Technology, Nagpur, Maharashtra, India

ii. Membership in Professional Bodies:

o Registered Architect, Council of Architecture. CA/87/10887

o Associate of Indian Institute of Architects A 6797

o Life Member, Indian Society for Technical Education ISTE. LM

o Member of Fulbright Alumni Association

o Graduate Member of Haggai Institute, Maui, USA

o Member of INTACH, India

iii. Details of Experience:

SI No.	Position	Period
01	**Associate Professor of Architecture** Dept. of Architecture and Regional Planning, Indian Institute of Technology Kharagpur	**January 29, 2009 (FN) - Continuing**
02	**Associate Professor and Head of the Department** Department of Architecture, National Institute of Technology- Calicut	**August 01, 2008 – January 23, 2009 (6 months)**
03	**Associate Professor of Architecture** Department of Architecture, National Institute of Technology- Calicut	**01-01-2006** (*PhD wef Nov 28, 2005*)
04	**Lecturer in Architecture (Selection Grade)** Department of Architecture, National Institute of Technology Calicut	**23/10/2000 – 01/01/2006** (6 Years and 1 month)
05	**Lecturer in Architecture**, then to **Lecturer in Architecture (Senior Scale)** Department of Architecture, National Institute of Technology- Calicut	August 24, 1988- 23/10/2000, (12 years and 4 months)
06	**Asst. Architect** M/S Jayachandran and Muralee Associates Consulting Architects and Engineers, Trivandrum	December 1986 – July 1987, **(7 months)**
Total Experience		**25 years and 04 months + 7 months**

8. Details of publications:

7. **A. JOURNALS**		**TWELVE JOURNAL PAPERS**		
SI. No	Name of the Journal	Title of the paper with Months & Date	Author (s) Name	National/ International
01	International Journal of Scientific Engineering and Technology	Delphi-AHP-Fuzzy Computational Approach to Sustainability Assessment Model and Indian Traditional Built Forms, Vol.3, Issue No.11, pp.1330-1335 (2014)	G.M. Alapure, Abraham George, S. P. Bhattacharya	International
02	*Abacus* (2012)	Vision and visual systems as a backdrop for design	Paul Varghese, Arif N. M, Abraham George	National Journal

03	Journal of Indian Institute of Architects	Systematic Approach to Cost Effectiveness in Architecture, Vol.74, Issue.07, July 2009	Abraham George	National Journal
04	Veedu- A publication of Malayala Manorama	Systematic Approach to Cost Effectiveness in Residential Projects; Some Thoughts, April (2009) Issue	Abraham George	National Journal
05	Journal of The Indian Institute of Architects	Interactive learning environments for higher education in Architecture Vol. 71, Issue 03, March 2006	Abraham George	National Journal
06	Journal of Council of Architecture	Ideas and images, Jan –Feb 2004	Abraham George	National Journal
07	Journal of The Indian Institute of Architects	Architectural Symbolism through the history of Architecture – A critical review Vol. 68, Issue 6, Nov 2003	Abraham George	National Journal
08	Journal of Construction Management, NICMAR	Work Breakdown Structure for Construction of Apartment Projects Vol. XV, No. 4, Oct-Dec. 2000	Abraham George	International Journal published by NICMAR, Bombay
09	Journal of The Indian Institute of Architects	Design Criteria to Enable the Differently-able in the use of Built Environments Vol. 65, Issue 05, May 2000	Abraham George	National Journal
10	Journal of The Indian Institute of Architects	Restructuring Strategy for Architectural Education Vol. 62, Issue 01 January 1997	Abraham George and JJK	National Journal
11	Journal of Construction Management, NICMAR	A Generalized Construction Management Model Vol. XII, Jan-March 1997	Abraham George	International journal published by NICMAR, Bombay
12	Journal of Calicut Center of Indian Institute of Architects	Wind aspects of Traditional Architecture of Kerala Winter 1994 - '95	Abraham George	Journal of Calicut Centre, Indian Institute of Architects
13	Journal of Construction Management, NICMAR	Planning Techniques in Building Projects Vol. VIII, No. 1, April 1993	Abraham George	International journal published by NICMAR, Bombay

	B. CONFERENCES	TWENTYTHREE CONFERENCE PAPERS		
Sl. No	Name of the Conference	Title of the paper with Months & Date	Author (s) Name	National / International
01	Sustainable Built Environment, IIT Roorke	Climate Responsiveness of Wada Architecture, April 10-12, 2015	G.M. Alapure, Abraham George, S. P. Bhattacharya	National
02	Second Annual Conference on Architecture and Civil Engineering (AEC2014), Singapore	A Critical Evaluation of Thermal Performance of Traditional Built Forms of South West Bengal March 24-25, 2014	G.M. Alapure, Abraham George, S. P. Bhattacharya	International
03	International Seminar on Architecture: Education, Practice and Research, Department of Architecture, BEUT, Dhaka, February 2-4 (2012)	Comparing Visual and Computational Systems for Design	Paul Varghese, Arif N. Merchant, Abraham George	International
04	CIRP Design 2012, IISc Bangalore, March 28-30 (2012)	Systematic Sustainable Design in Architecture and the need to mimic nature	Abraham George Susan Abraham	International
05	International Conference 'Green City–Design, Planning and Management' Jan 21–23, 2011	Systematic Sustainable Architecture and the Need for Alternative Concepts	Abraham George Susan Abraham	International
06	First International Conference on Sustainable Building and Infrastructure, Petronas University, Kuala Lumpur, Malaysia	Concepts and Strategies for Sustainable Architecture, June 15-17, 2010	Abraham George	International
07	Eighth Global Conference on Environmental Education, Goa	Concepts and Strategies for Sustainable Architecture, November 04-08, 2009	Abraham George	International
08	Fulbright Alumni Workshop on Architecture, Media And Cultural Continuity, NITC, Calicut, Kerala	Relevance of Sign and Knowledge in the Establishment of an Architectural Continuum. April 9, 2008.	Abraham George	National workshop supported by USEFI
09	Golden Jubilee Conference of School of Architecture and Planning Chennai	Gazing into the future of Architecture; An evolving profession. (Future Course & Content of Architectural Education), February 28-29, 2008	Abraham George	National (Best Faculty Paper Award)
10	International Conference on Ergonomics, IIT-G	Interactive Learning Environments for higher Education. Dec 10-12,2005	Abraham George	International

11	ISTE 16th Annual Convention, Tvm	Interactive Learning Environments for Architectural Education. 26th November 2005	Abraham George	National
12	ICNAAM 2005, Rhodes, Greece	Development of automatic mesh generators. August 2005	Abraham George, Susan Abraham	International
13	Paithrukam 2004, MES School of Architecture, Majlis Resort, Trichur	Performance Oriented Aesthetics in Architecture - A Study of SM Street. February 24-27, 2005	Abraham George	National
14	Paithrukam 2004, MES School of Architecture, Majlis Resort, Trichur	Architecture as a symbolic expression of the working of Geist through man: An enquiry into the puritan aesthetics in Colonial America. February 24-27, 2005	Abraham George	National
15	Seventh International Conference on Humane Habitats, RIZVI, Mumbai	Adaptive strategies for revamping architectural education for multicultural, global societies – A study with emphasis on classroom learning. January 28-30, 2005	Abraham George	International ICHH – 07 (European Union)
16	Mid Year Conference of South Asia Fulbrighters-USEFI, IIM-Kozhikode	Symbolic Communication in Architecture. Jan 10-12, 2005	Abraham George	International USEFI Conference
17	Arts and Architecture of the US, United States Educational Foundation in India, Baroda	Architecture as a symbolic expression of working of the Geist through man: an enquiry into the puritan Architecture of Colonial America and Madurai December 5-16, 2004	Abraham George	International USEFI Seminar
18	National convention on Architectural Education IIA, Bangalore	Strategies for Revamping Architecture Education April 16-17, 2004	Abraham George	National
19	Paithrukam, MES Trichur	Architectural symbolism as manifest in Geriatric Centers- A study. October 18-20, 2002	Abraham George	National
20	International Conference on Construction Industry, The Institution of Engineers (I), Chandigarh	A Study on Delays and Work Breakdown Structure in Apartment Construction Projects November 18-20, 2000	Abraham George	International
21	National conference on Design for Disabled and Elderly, School of Architecture Chandigarh	Design Criteria to Enable the Differently-abled in the use of Built Environments. March 22, 2000	Abraham George	National
22	National Convention of The Indian Institute of Architects, Calicut	Neo Architecture December 26-28, 1997	Abraham George	National
23	The South Summit, SRC, The Indian Institute of Architects, Kovalam	Thermal Performance of a Traditional Residence – A Critical Study. January 4-5, 1997	Abraham George and J. Jayakumar	National

24	IX National Convention of the Architectural Engineering Division, The Institution of Engineers (I), Dharward	A Generalized user –friendly Construction Project Management Package September 11-12, 1993	Abraham George	National
25	National Convention of Architectural Engineers, Institution of Engineers (I), Mysore	Indigenous Techniques in Rural House Building in Orissa March 10-11, 1990	Abraham George	National
Five Research Papers produced for the Fulbright Fellowship at Cornell University, New York, USA				
01	Department of Anthropology Cornell University, New York, USA	Colonial American Architecture as an expression of the working of the Universal Force through man: An enquiry into the Colonial residential and institutional Architectural Landscape of America	Rated Excellent	
02	Department of Anthropology Cornell University, New York, USA	Relevance of Sign and Knowledge in the Establishment of an Architectural Continuum	Rated Excellent	
03	Department of Anthropology Cornell University, New York, USA	Architecture as a signifying system in the establishment of continuity – Use of Myths, Metaphors and Metonyms…	Rated Excellent	
04	Department of Architecture Cornell University, New York, USA	A Guide to the Amish Village.		
05	Department of Architecture Cornell University, New York, USA	Adaptability of Mughal Gardens to the modern Indian context.		

9. Research Projects completed:

Sl. No	Name of the project along with the name of the investigator.	R & D/ Modernization/ Thrust Area/Others	Duration	Amount involved Rs./-
01	Development of Trend-generating Communication Model in Architecture. *Abraham George*	(SRIC/IIT Kgp, Rs. 3.00 Lakhs)	Three year 2010-2012	Rs. 300000/-
02	Influence of Colonial Architecture on the built forms of Kerala - A critical study. *Abraham George*	Victoria Albert-Nehru Trust Research Grant, Cambridge, UK	One year 2005-2006	£ 500.00
03	Laboratory for Creative Arts and Documentation. *Abraham George*	MHRD, Modernization and Removal of Obsolescence 2002-2003	One year. Completed successfully	Rs. 900000/- (7Lakhs, MHRD + 2 Lakh, NITC)
04	Development of Symbols for effective Communication of Architecture. *Abraham George*	Faculty Research Project CREC/BNN/ FRP/04/00-2001	12-month Project Completed	Rs. 10000/-

05	Documentation of *Kolai Veedu.* *Abraham George*	R&D/ CREC. 1999	6-Months Completed	Rs.5000/-
06	Thermal Performance of Courtyard Houses in Hot-Humid Climate. Abraham George	FRP/CREC/ Dean (P&D) FRP/97. 1997	6-Months Completed	Rs.15000/-

10. Summer and Winter Schools / Short Term Courses Conducted:				Coordination / Lecture
Sl. No	Title of the Course	**Summer / Winter** Short term course	Starting Month	Ending Month	
01	Green Architecture and Carbon Free Living	Short Term Course QIP of AICTE	December 18, 2009	December 24, 2009	Coordinator 2009
02	Conservation Of Architecture Heritage	Summer School ISTE	May	2008	Coordinator 2008
03	Relevance of Heritage and Symbolism in the establishment of Architectural Continuum	Short Term Course QIP of AICTE	March 22, 2004	March 27, 2004	Coordinator 2004
04	Participatory decision making in the Design of Built Environment	Winter School AICTE	January 07, 2002	January 13, 2002	Coordinator 2002
05	Energy Conservation of Built Environment	Winter School AICTE	November 05, 2001	November 18, 2001	Delivered two Lectures 2001
06	Interior Design Practice	Summer School ISTE/AICTE	May 17, 1995	May 31 1995	Delivered five Lectures. '95

10.b: Refresher Courses Coordinated:				
01	Fulbright Alumni Workshop on Architecture, Media And Cultural Continuity, NITC, Calicut, Kerala	Workshop supported by USEFI	One Day April 9	2008	Coordinator 2008
02	Interior Design with emphasis on Indoor Landscaping	Refresher Course	3 days	2003	Coordinator 2003
03	Sustainable landscape Architecture	Refresher Course, NITC	September 2, 1997	Sept 4, 1997	Coordinator 1997
04	Landscape Architecture	Refresher Course, NITC	February 27, 1996	February 29, 1996	Coordinator 1996

11. a. External *Consultancy Projects*				
01	Thusharagiri Eco Tourism Project, Thusharagiri, Calicut	Dept. of Architecture	2007	Ongoing
02	Design for Auditorium, Kodencherry Church.	Dept. of Architecture	2003	Rs.60 lakh
03	Design for the New Administrative Building, Cthamangalam Gramam.	Dept. of Architecture	*2000-2001*	Rs.30 lakh
04	Cricket Stadium for Thalassery Municipality.	Dept. of Civil Engineering	*1996*	Rs.100 lakh
05	Design for the PG Block, Sri. Guruvayoorappan College, Calicut.	Dept. of Civil Engineering	1996	Rs.50 lakh

11. b. *In-house Consultancy Projects:*				
01	Concept proposal for Mega-Hostel. 10000 students capacity	Director, NITC	2007-08	Rs. 67 Crore

02	New Central Library, NITC	Director, NITC	2007-08	Rs. 20 Crore
03	School of Architecture, NITC	Director, NITC	2005-06	Rs. 8.0 Crore
04	School of Chemical Engineering, NITC	Director, NITC	2005-06	Rs. 14 Crore
05	Hostel for Boys with 165 beds, NITC	Director, NITC	2005-06	Rs. 4.0 Crore
06	Master Plan for NITC, with Dr. Naseer M.A	Director, NITC	2005-06	*Multi-crore*
07	VIP Guest House, NITC	Director, NITC	2005-06	Rs. 1.5 Crore
08	New Administrative Complex, NITC	Director, NITC	2005-06	Rs. 6 Crore
09	Students Amenities Center, NITC	Director, NITC	2005-06	Rs. 1 Crore
10	Interior Design for the Office, MED	Director, NITC	2004-05	Rs. 0.04 Crore
11	School of Mechanical Engineering, NITC	Director, NITC	2003-04	Rs. 9.0 Crore
12	New Ladies Hostel	Director, NITC	1998-00	Rs. 3.0 Crore
13	Interior Design for Principal's Chamber	Director, NITC	1999-00	Rs. 0. 15 Crore
14	Administrative Complex, NITC	Director, NITC	1998-00	Rs.2 .5 Crore
15	PG Hostel for Boys	Director, NITC	1996-98	Rs. 2 Crore

12. TEACHING AND CONSULTANCY EXPERIENCE: 23 years 11 + 7 months as on July 2012

Subjects taught / teaching at undergraduate level:

- ◙ Architectural Design for all Semesters of B. Arch
- ◙ Advanced Theory of Architecture and Research Methods
- ◙ Interior Design
- ◙ Urban Design
- ◙ Landscape Architecture
- ◙ Anthropometrics and Ergonomics
- ◙ Architectural Acoustics
- ◙ Professional Practice
- ◙ Creative Arts Laboratory
- ◙ Interactive Media Design Lab
- ◙ Architectural Photography

At the postgraduate level:

- o **Developed a Postgraduate Course:** *M. Des* - *(Environment)*

- o **Developed a PG level course; MED629 *Energy Efficient Buildings*,** in association with the Department of Mechanical Engineering, NITC

13. **Academic / Teaching / Professional Experience:**

   o **Permanent, fulltime faculty member,** Dept. of Architecture, National Institute of Technology, Calicut, Kerala State, INDIA, since August, 1988 onwards; **19 y 9 m.**

   o **Designed and completed prestigious buildings;** Administrative Block NITC, Hostels, Main Gate, Students Amenities Center, New Administrative Block, School of Chemical Engineering, New Central Library of NITC to name a few.

   o **Member of Board of Studies** – Faculty of Architecture and planning:

   o Anna University, Chennai, Tamil Nadu, India

   o University of Calicut, Kerala, India

   o **Member of Faculty of Architecture,** NIT Calicut

   o **Member of Doctoral Committee:** Manipal University, Manipal

   o **Senator** – NIT Calicut. (2005-2008)

   o **Academic Coordinator** – Indian Institute of Architects, Kerala Chapter

   o **Vice Chairman** - Indian Institute of Architects, Calicut Center

14. **Research Interests:**

   o Architectural design and Spatial Communication in Architecture.

   o Sustainability and Landscape Architecture

   o Interior Design and Ergonomics

   o Architectural Anthropology and Cultural Studies in Architecture.

   o Culture and Heritage Studies in Architecture.

   o Pedagogy, Print, Media, Graphic Design and Semiotics in Architecture

15. **Awards / Honors:**

   o **Best Faculty Paper Award,** Golden Jubilee Conference of School of Architecture and Planning Chennai, February 2008.

   o **Victoria Albert – Nehru Trust Research Grant,** UK. 2005-06

   o **Fulbright Fellowship,** Cornell University, USA. 2003-04

   o **John Crawford Scholarship,** Sydney University, Australia. 1994

   o Selected by **'Reference India';** a reference book on men of achievements, Vol.2, Rifacimento International, Delhi. 1994

   o **National Merit Scholarship.** 1985

   o **President's Scout Award.** 1979

16. **Member of the Editorial Board:**

   o **Keynote speaker** in the Annual International Conference on Architecture and Civil Engineering **(ACE ,** April 2015), Singapore

   o **Keynote speaker** in the National Conference on Smart Cities, SVNIT, Surat (April2015),

- o **Co-Editor-in-Chief** of the Annual International Conference on Architecture and Civil Engineering **(ACE** April, 2014**),** Singapore
- o **Co-Editor-in-Chief** of the Annual International Conference on Architecture and Civil Engineering (ACE 2013), Singapore
- o **ICFAI Journal of Architecture,** International Journal published from Hyderabad, India
- o **Editorial Board member** of Journal of Emerging Trends in Educational Research And Policy Studies – **JETERAPS** since October 19, 2010.

Member of Review panel:

- o **Journal of Architectural Engineering,** American Society of Civil Engineer**s, USA** 2010-Continuing
- o Member of Review panel of **International Congress, Petronas University,** Kuala Lumpur, June 2010

17. **Edited Book: Green Hand Book -** A collection of edited papers on Green Architecture, December 2009

18. **Session Chair:**
    - o **International Conference 'Green City–Design, Planning and Management'** Jan 21– 23, 2011
    - o **International Congress on Green Buildings,** Petronas University, Kuala Lumpur June 2010

19. *Institute Activities*
    - o NSS Programme Officer since 2011-Continuing
    - o Coordinated NSS day 2011; a major function with more than 800 participants and external guests

20. **Professional Activities**
    - o BoG Appointed Expert member on the Design and Construction Evaluation Panel of NIT Rourkela, Dec2010
    - o VC appointed Syllabus revision committee of Anna University Chennai, 2012