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**Name: Dr. Subhrajit Banerjee**

**Current Affiliation:** Associate Professor

Faculty of Architecture and Planning,  
Dr.A.P.J. Abdul Kalam Technical University, Lucknow, Uttar- Pradesh

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Associate Dean (Post Graduate Studies and Research)  
Dr.A.P.J. Abdul Kalam Technical University, Lucknow, Uttar- Pradesh

**Permanent Address:** 6, Amarendra Sarani, Flat No:202, ABS Tower

Uttarpara, Hooghly. West Bengal, Pin: 712258

Phone: 9830323605(M), Email:[drsubhrajit4@gmail.com](mailto:drsubhrajit4@gmail.com)

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**Communication Address:** Room NO: C-102, Faculty of Architecture and Planning

Dr. A.P.J. Abdul Kalam technical University

Tagore Marg Campus, Lucknow : 226007, UP.

**Educational Qualification:**

1. **Ph.D., 2016. IIT, Kharagpur.**
2. **Master of City Planning (M.C.P.), 2004, IIT, Kharagpur.**
3. **B.Arch., 2001, Utkal University, Odhisa.**

**Total experience:**

**19years**

1. **Industrial experience: 11 years**
2. **Teaching & Research experience: 08years**

**Carrier Objective:**

The main objective is to establish myself in the architecture and urban planning and management profession as an individual who can teach with factual happenings and progress in the real field. I would like to grow as Louis Kahn and Robert Venturi who were not only great architect and educationist but also have their efficient Architect wife to work with as a team. The best thing about working together is that we have different approaches and solutions and that will help us to contribute to any challenging situation.

**Area of Specializations:**

*Building Construction, Professional Practice, Project Design, Rural Architecture, Building materials, Town Planning, Participatory approach in planning and design, Post construction Project appraisal, Town Planning, Urban Governance & Practice, Statutory norms and Professional Practice.*

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**Honors/Awards**

1. **GATE 2002 All India Ranking 38**, percentile scored 96.02
2. **MHRD Scholarship** for perusing Masters in **I.I.T. Kharagpur**
3. **MHRD Scholarship** for perusing PhD in **I.I.T. Kharagpur**
4. Selected by the **Indian Institute of Remote Sensing Dehradun** for a full financed residential course at I.I.R.S in Geo- Informatics in Urban Planning.
5. Secured ever since highest marks in the final University Examinations in the following subjects :
  - (i) Design of Steel Structures II : 80/80 (Full marks) VIII Semester
6. Awarded Merit Certificate in National Mathematics Olympiad Contest 1993, with 89% marks and securing the **All India Third position.**

**Areas of Specialization:**

- **PhD Research Area:** Community participation in urban and regional Planning. under the supervision of Prof. B.K.Sengupta
- **MCP Dissertation Topic:** Planning For New Potential Residential Development Zones In Midnapore- Kharagpur Planning Area. Under the supervision of Prof. U.K. Banerjee
- **B.Arch Dissertation Topic:** Library cum Language Research Centre at R.K.Mission Gole Park, Calcutta; under the supervision of Prof. A.K. Dey.
- **Application of Remote Sensing and GIS in Urban and Regional Planning**  
Indian Institute of Remote Sensing (IIRS) Department of Space, Government of India Dehradun, India. and National Remote Sensing Agency, Hyderabad.

**EXPERIENCE:**

**1. Professional Employment:**

- a. Associate Planner, Advance & Statutory Planning Unit, Kolkata Metropolitan Development Authority (KMDA), GoWB. From: 30<sup>th</sup> July 2009 to 31<sup>st</sup> July 2017 (EOL for years).
- b. Urban Planner, Serampore Municipality, Kolkata Metropolitan Area, West Bengal, India. July 2005 to July 2008.
- c. Consultant with Edgis India Pvt. Ltd and associate business partner since 2014 for “International Bus Terminus” design job for HIDCO and Transport Department GoWB.

- d. Consultant for PCI Geometrics India Pvt. Ltd since 2011 and has leaded many consultancy jobs for preparation of Land Use Development Control Plan and Land Use Map and Register through the modern GIS techniques for more than 07 urban areas and development authorities.
- e. Architect for Rishi Bankim Chandra College, Naihati West Bengal for the XI UGC Plan period (from 2007-2012); appointed by recommendations of United Grants Commission (UGC) Govt. of India, and reappointed for the XII UGC Plan Period (from 2013-2018).
- f. Consultant and Advisor for M/s Social Physical Environmental Consultants for last 10 years. Involved in various architecture and planning projects in West Bengal, Rajasthan and Jharkhand.

*Total Period of Professional experience: 11 years*

## **2. Teaching and Research Experience:**

- Associate Professor, Faculty of Architecture and Planning, Dr. A.P.J. AbdulKalam Technical University, Lucknow, Uttar-Pradesh. From 18<sup>th</sup> May 2018 ---- Till date
- Professor, Pillai HOC College of Architecture, From 01<sup>st</sup> August 2016 to 17<sup>th</sup> May 2018.
- Associate Professor, Pillai HOC College of Architecture, 01<sup>st</sup> August 2015 to 31<sup>st</sup> July 2016.
- Assistant Professor, SAR College of Architecture, Vijayawada; July 2004 to March 2005 (One year full time).
- Lecturer in Department of Architecture, Manipal Institute of Technology, Karnataka, India, 2005. (two months' full time)
- Teaching Assistant in the Department of Architecture and Regional Planning, I.I.T. Kharagpur from July 2008 to July 2009. (One-year full time).
- Visiting Faculty in I.I.E.S.T. Shibpur, in the Department of Architecture and Planning. From July 2014 to December 2016.
- Selected as lecturer in Center for Urban Management in Ethiopian Civil Service College, Addis Ababa, Ethiopia for a period of two academic calendar years.

## **3. Research Experience:**

- From 28<sup>th</sup> July 2008 to 29<sup>th</sup> July 2009; at Department of Architecture and Regional Planning, **I.I.T. Kharagpur (Full Time).**
- From July 2009 to June 2015 ----- **I.I.T. Kharagpur (Part Time)**

**A. ACADEMIC AND RELATED ACHIEVEMENTS DURING THE PERIOD:**

- a. Published Book Entitled: “**Participatory Planning for Urban Areas: Tools and Techniques**” with ISBN NO: 9788193874943, Publisher: Metro Books, New Delhi.
- b. Nominated Evaluator for AQIS Scheme for AICTE since 2018.
- c. Guided 5 Master’s Thesis and 8 Ongoing PhD research.

**B. Invited Lectures/ Presentations/ Panel Discussions:**

- a. 2<sup>nd</sup> Sky Scrapers Asia Summit 2018, Hong Kong ----- Invited talk and Panel discussions
- b. Institute of Town Planner’s India; North Zonal Conference 2019----- Invited Presentation
- c. Conducted Webinar (Panel Discussion) as moderator on “ONLINE TEACHING IN ARCHITECTURE: A PARADIGM SHIFT” on 1<sup>st</sup> May 2020,
- d. Invited Lecture on “ONLINE TEACHING IN ARCHITECTURE “in FDP: Emerging Trends in Architecture funded by TEQIP
- e. Coordinator Pravah 2019, a zonal level fest of AKTU

**C. ACTIVITIES AT THE UNIVERSITY LEVEL (AKTU):**

- a. Coordinator State Level Cultural fest PRAVAH 2018.
- b. Observer for PHD entrance Examination of the University.
- c. Inspection for Affiliation of 3 newly proposed colleges under AKTU in 2019.
- d. Inspection of 1 number of newly proposed colleges under AKTU in 2020.
- e. Inspection of Architecture college at Hapur.

**D. OTHER ADMINISTRATIVE ACTIVITIES:**

**a. Academic Year 2018-19**

- i. Organizer for different activities in FOAP campus by Election Commission of India.
- ii. Revision of syllabus for B.Arch of FOAP AKTU.
- iii. Member of Protoral Board of FOAP AKTU.
- iv. Representative of Institution for validation of different Master Plan Preparation by Town and Country Planning Department, Govt. of Uttar Pradesh .
- v. Member Departmental Finance Committee.
- vi. Member of the Procurement Committee of FOAP, AKTU
- vii. Member of the Building Works Committee, FOAP, AKTU
- viii. Member of Library Committee, FOAP, AKTU.

**b. Academic Year 2019-20**

- i. Orientation Program of Newly inducted Ph.D students at AKTU
- ii. Co-ordinator for IIRS-ISRO E- learning Platform
- iii. Representative of Institution for validation of different Master Plan Preparation by Town and Country Planning Department, Govt. of Uttar Pradesh.
- iv. Member of the Pay Fixation Committee as per 7<sup>th</sup> Pay Scale implementation.
- v. Member of Result Validation Committee of FOAP, AKTU.
- vi. Member Question Paper Moderation Committee.
- vii. Member of research and Consultancy Management Committee.
- viii. Coordinator for newly started MURP course at FOAP, AKTU.
- ix. Member of UFM Committee.

**c. Academic Year 2020-21(Till Date), In addition to the activities of previous academic year;**

- i. Conveyor of sexual Harassment Committee of FOAP, AKTU .
- ii.

**List of Recent Publications ( 2018-2020)**

| SI No | Name Of The Paper   | Name Of The Journal  | Page/<br>Year | ISSN                  | Impact<br>Factor |
|-------|---|--|---------------|-----------------------|------------------|
| 1.    | Urban Water Governance and Management   | INTERNATIONAL JOURNAL OF SCIENCE AND RESEARCH(IJSR) VOL 9 ISSUE 7  | 1424/<br>2020 | 231<br>9-<br>706<br>4 | 7.583            |
| 2.    | Identification of Acceptable Uses of Rooftop Rainwater Harvesting to Facilitate Reclaimed Water Systems   | INTERNATIONAL RESEARCH JOURNAL OF ENGINEERING AND TECHNOLOGY (IRJET),VOLUME: 07 ISSUE: 08                      | 1318<br>2020  | 239<br>5-<br>005<br>6 | 7.529            |
| 3.    | Augmented Reality As A Tool For Urban Design Case Study Qaiserbagh Cultural Complex, Lucknow  | INTERNATIONAL JOURNAL OF SCIENCE & ENGINEERING DEVELOPMENT RESEARCH AUGUST 2020 IJSDR VOLUME 5, ISSUE 8        | 274 2<br>020  | 245<br>5-<br>263<br>1 | 7.37             |
| 4.    | Facilitate Decision Making For Optimum Utilization Of Urban Rooftop RWH, Case Study Kolkata Metropolitan Area                                     | EPRA INTERNATIONAL JOURNAL OF MULTIDISCIPLINARY RESEARCH (IJMR) VOLUME: 6 ISSUE: 8                             | 253           | 245<br>5-<br>366<br>2 | 7.032            |
| 5.    | Green Auditing 2019-2020 Integral University Campus, Lucknow  | INTERNATIONAL JOURNAL FOR RESEARCH IN APPLIED SCIENCE & ENGINEERING TECHNOLOGY (IJRASET)VOLUME 8 ISSUE VIII    | 83 20<br>20   | 232<br>1-<br>965<br>3 | 7.429            |
| 6.    | Framework For Assessing Triple Bottom Lines Attribute Of Sustainability In Case Of Implementation Of Rooftop Rainwater Harvesting, Kolkata, India | INTERNATIONAL JOURNAL OF RESEARCH AND DEVELOPMENT (IJRD) VOLUME: 5 ISSUE: 8                                    | 128 2<br>020  | 245<br>5-<br>783<br>8 | 7.001            |
| 7.    | Guidelines For The Design Of Energy Efficient Retrofitting Strategies Using BIM In Multispecialty Hospitals: Case Study Uttar Pradesh India       | PRAMANA RESEARCH JOURNAL, VOLUME 10, ISSUE 8   | 80            | 224<br>9-<br>297<br>6 | 4.1              |
| 8.    | Analysis of Impact of Change in Landuse Landcover on Variation of Land Surface Temperature of Unnao   | INTERNATIONAL JOURNAL OF SCIENCE AND RESEARCH Volume 9, Issue 7 , July 2020                                    | 2020<br>30-33 | 231<br>9-<br>706<br>4 | 0.28             |
| 9.    | Re-Building The Cultural Identity Through The Art Of Building Design Requirement Of A Refugee Camp, Turkey  | INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN SCIENCE, ENGINEERING AND TECHNOLOGY (IJRSET) VOLUME 9, ISSUE 5 | 3383          | 231<br>9-<br>875<br>3 | 7.512            |
| 10.   | Site Analysis For Exploring The Role Of Key Factors in Redevelopment Of Urban Village: A Study On Majherait Village, Kolkata, West Bengal         | INTERNATIONAL JOURNAL OF SCIENTIFIC RESEARCH IN ENGINEERING AND MANAGEMENT (IJSREM)VOLUME: 04 ISSUE: 08        | 2020<br>1     | 258<br>2-<br>393<br>0 | 4.106            |
| 11.   | Challenges For Designing Of Hindu Crematorium In Puri, Odisha, India  | INTERNATIONAL RESEARCH JOURNAL OF ENGINEERING AND TECHNOLOGY (IRJET),VOLUME: 07 ISSUE: 08                      | 1353<br>2020  | 239<br>5-<br>005<br>6 | 7.529            |
| 12.   | Potential Impacts of Climate Change on Indian Monsoon   | International Journal of Research and Analytical Reviews Volume 7, Issue 2                                     | 2020          | 234<br>8-<br>126<br>9 | 5.75             |

| SI No | Name Of The Paper   | Name Of The Journal   | Page/Year | ISSN        | Impact Factor |
|-------|---|---|-----------|-------------|---------------|
| 13.   | A Review Of Implementation On Sanitation Policy In India  | INTERNATIONAL JOURNAL OF SCIENCE AND RESEARCH (IJSR)VOLUME 9 ISSUE 6  | 487 2020  | 231 9-706 4 | 7.583         |
| 14.   | Challenges Of Design Of Water Supply Distribution Network In Old Indian Cities: A Case Of Lucknow   | COMPLIANCE ENGINEERING JOURNAL, VOLUME 11, ISSUE 8  | 2020 158  | 089 8-357 7 | 6.2           |
| 15.   | UNDP For Human Rights-Based Approach For Water Governance   | COMPLIANCE ENGINEERING JOURNAL, VOLUME 11, ISSUE 8  | 58 2020   | 089 8-357 7 | 6.2           |
| 16.   | Nurturing The Rural Sanitation Revolution In India  | SCIENCE, TECHNOLOGY AND DEVELOPMENT, VOLUME IX ISSUE VIII AUGUST 2020   | 2020 130  | 095 0-070 7 | 6.1           |
| 17.   | Importance Of Traffic And Transportation Plan In The Context Of Land Use Planning For Indian Cities | INTERNATIONAL JOURNAL OF TOWN PLANNING AND MANAGEMENT VOL. 6: ISSUE 2   | 10 2020   | 245 6-525 3 | 5             |
| 18.   | Challenges In Implementation Of Green Infrastructure In Metropolitan Cities—Case Of Ahmedabad       | INTERNATIONAL JOURNAL OF ARCHITECTURE AND INFRASTRUCTURE PLANNING VOL. 6: ISSUE 2                               | 2020 7    | 245 6-015 4 | 5             |
| 19.   | Relativity Theory In Urban Space Design   | INTERNATIONAL JOURNAL OF SCIENCE AND RESEARCH (IJSR)VOLUME 9 ISSUE 8  | 2020 804  | 231 9-706 4 | 7.583         |
| 20.   | Emerging Trends & Issues In Roads And Highways In India   | INTERNATIONAL JOURNAL OF SCIENCE AND RESEARCH (IJSR)  | 2020 1057 | 231 9-706 4 | 7.583         |
| 21.   | Risk Mitigating Factors In Design Parameters For Post COVID Architectural Design                    | INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN SCIENCE, ENGINEERING AND TECHNOLOGY (IJIRSET) VOLUME 9, ISSUE 8 | 7604      | 231 9-875 3 | 7.512         |
| 22.   | Role Of Transport In The Economic Advancement Of India  | Journal Of Interior Designing And Regional Planning Volume-5, Issue-1 (January-June, 2020)                      | 2020 21   | 258 1-998 4 | 5             |
| 23.   | A Review of PPP mode of urban Transport in Indian Cities  | International Journal of Urban design VOL 3 ISSUE 2   | 1 2020    | 0           | 0             |
| 24.   | Bio-Medical Waste Management In India: Contemporary Approaches And Way Forward                      | Epra International Journal Of Multidisciplinary Research (IJMR) - Peer Reviewed Journal Volume: 6 Issue: 8      | 221 2020  | 245 5-366 2 | 7.032         |
| 25.   | Human Interventions on Climate Change   | International Journal of Environmental Planning and Development   | 2020 7-14 | 234 9-      | 0             |

| SI No | Name Of The Paper   | Name Of The Journal  | Page/Year | ISSN        | Impact Factor |
|-------|---|--|-----------|-------------|---------------|
|       |   | Volume: 6 Issue: 2   |           | 5138        |               |
| 26.   | Rural-Urban Migration In India: Approaches To Mitigation And Creation Of Self-Sustainable Gram Sabhas               | INTERNATIONAL JOURNAL OF RURAL AND REGIONAL PLANNING DEVELOPMENT,VOL. 6 ISSUE 2          | 1 2020    | 0           | 0             |
| 27.   | Low Cost Sanitation Techniques: Revisiting The Case Of Lucknow  | INTERNATIONAL JOURNAL OF SUSTAINABLE BUILDING TECHNOLOGY VOL. 3: ISSUE 2                 | 1 2020    | 0           | 0             |
| 28.   | Facilitating Pedestrianization For Redevelopment Of Commercial Precincts, Case Study Aminabad, Lucknow              | EPRA International Journal of Research and Development (IJRD) Volume: 5   Issue: 8       | 151       | 2455-7838   | 7.001         |
| 29.   | Review of Impact of Sanitation on children in India   | INTERNATIONAL JOURNAL OF TOWN PLANNING AND MANAGEMENT                                    | 29        | 2456-5253   | 5             |
| 30.   | Analyzing Smart City: Towards Development of Economic Growth in Our Country   | International Journal of Research and Analytical Reviews                                 | 2020      | 2348-1269   | 5.75          |
| 31.   | Role of Institution in Economic Development   | International Journal of Research and Analytical Reviews Vol-7 Issue 2                   | 2020      | 2348-1269   | 5.75          |
| 32.   | Inclusiveness at Commercial Nodes : A case of Gariahat Kolkata.   | International Journal of Scientific and Engineering Research                             | 2019      | 2229-5518   | 4.4           |
| 33.   | Assessment of LandUse/ Land Cover Changes of Potential growing Fringe Areas of Lucknow Using Remote Sensing and GIS | IEEE Explore ( International Conference on Contemporary Computing and Application; IC3A) | 2020      | 978-254-259 | 4.098         |
| 34.   | Changes in Peri- Urban Areas due to Infrastructure, Industrialization and Economic activities                       | The 3 <sup>rd</sup> Asian Regional Conference on Peri- Urbanization                      | 2019      | -----       | -----         |

#### List of Sponsored Projects as PI and Co-PI

- Preparation of Land Use Development Control Plan (Statutory Plan) for Dankuni Municipal Area, within Kolkata Metropolitan Area.
- Preparation of Land Use Development Control Plan (Statutory Plan) for Barrackpore I&II Panchayat Samity Area, within Kolkata Metropolitan Area.
- Preparation of Development Plan for Barrackpore I&II Panchayat Samity Area, within Kolkata Metropolitan Area.

- *Preparation of Development Plan for Barasat I&II Panchayat Samity Area, within Kolkata Metropolitan Area.*
- *Preparation of Development Plan for Chakdah Panchayat Samity Area, within Kolkata Metropolitan Area.*
- *Investigator for statutory Clearances for High Rise Residential Development and township development under section 46 of T&CP Act 1972.*

**Earlier Publications:**

- *Banerjee. S. & Chattopadhyay .R , , “Community Participation in Landuse Planning ”, **56<sup>TH</sup> International Conference** on poverty alleviation and urban development, ITPI, DELHI January, 2010.*
- *Strengthening Urban Governance in Kolkata Metropolitan Area – A comprehensive development approach by Banerjee, S.;Sengupta, B.K.,( International Conference for Climate Change and Urban Poverty; BRAC Institute, BRAC University , Dhaka Bangladesh to be presented on 28<sup>th</sup> January 09).*
- *Peri-Urban Areas: A serious challenge for the Urban Local bodies by Banerjee,S., National Seminar at CUES, Kolkata University, Jan 2008.*
- *Spiritual Aspects of Vernacular Architecture by Chakraborty,I.,Banerjee,S., National Conference Of Traditional Knowledge System Of India January 9 –11 , 2004, I.I.T.Kharagpur.*

**Conference and Seminars (Sponsored):**

- *Vibrant Gujarat 2013 sponsored by the Government of Gujarat and ITPI Gujarat Chapter.*
- *Key Speaker in “Planning for Beautiful Cities” as an Invited delegate from Planners Association KMDA. (February 2012.)*
- *Conference in Urban Strategies 2010 as an Official delegate from KMDA. (18<sup>th</sup> September 2010.)*
- *The International Conference Map India 2010; as an official delegate from KMDA.(January 19<sup>th</sup> -21<sup>st</sup> 2010.)*
- *XXVI IAHS International Conference at Kolkata from 3<sup>rd</sup> to 7<sup>th</sup> November 2008.*

**Research Interests:**

Participated in different on-field activities in the process of preparation of Development plan of different ULBS of West Bengal (2005-2016).

- Community and stakeholders participation
- Traffic and transportation management plan
- Environment Management plan
- Urban Land use and municipal infrastructure development plan
- Social Mapping and Local Economic Development Plan
- Slum Infrastructure development plan
- Capacity Building and Internal System Improvement Plan



- Citizen Interface Plan
- Primary Health and Education Development Plan

**Consultancy Projects Undertaken:**

1. Design and supervision of four residences at Kolkata, West Bengal, India (2010 -2016).
2. Design and supervision of five residences at Kharagpur, West Bengal, India (2008 – 2010).
3. Housing layout and detailed design for a 3500 sqmt land at Cossipore, Kolkata, West Bengal, India (2008).
4. New Women's Hostel for Chandannagore Polytechnic College, at Chandannagore, Hooghly, West Bengal, India (2006)
5. Proposal for renovation and relocation of Kolkata Municipal Corporation Library at Kolkata, West Bengal, India (2006).
6. New Market Complex cum Corporation Building for Chandannagore Municipal Corporation, at Chandannagore, Hooghly, West Bengal, India (2005).
7. Worked as a consultant for TARU LEADING EDGE in mapping of the infrastructure services for 17 slums in nine ULB for DFID sponsored KUSP- Participatory Poverty Assessment (2005).
8. Worked as a consultant for the assignment of social mapping and Local economic Development plan (2005).
9. Worked as a consultant for the assignment of Organizational Development plan (2005).

**Organizational Membership:**

- Registered Architect: Council of Architecture India.
- Associate member of All India Town Planners Institute (since 2005). Treasurer of West Bengal Regional Chapter since 2011.

**Community Service:**

- Serving as an active life member of Lions Club International since 2006.
- Life Member – Swastha Bhavna Welfare Society – serving for the HIV positive patients since 2006.
- Guest Speaker at the Udayan NGO 2005 on Women Empowerment

**Interest :** Sports; Cultural activities

**Achievements:**

- (i) College Champion in Badminton in 1997 and 1998
- (ii) College Champion in Table Tennis in 1998
- (iii) Participated in Regional and National Level Badminton Championship contest from Kendriya Vidyalaya, IIT, Kharagpur in 1995.

**Languages:**

- English fluent (read write speak),
- Hindi and Bengali fluent (read write speak)
- Oriya (Speak)

**Other Personal Details:**

1. Date of Birth: 20<sup>th</sup> December 1977.
2. Father's Name : Dr. Haradas Banerjee (Retired Professor and Dean of I.I.T. Kharagpur)
3. Mother's Maiden Name: Dr. Noton Chatterjee (Retired Teacher of Chemistry).

4. Nationality: Indian
5. Marital Status: Married
6. Number of Children : 01

I do hereby declare that all the information and details furnished by me here are true to the best of my knowledge.

**Dr. Subhrajit Banerjee**

Date: 27/9/2020

Place: Lucknow Uttar- Pradesh;

Faculty Of Architecture And Planning