

PRATIKSHA BARUAH

Architect and Planner

Address- R.B. Road, Tarajan, Jorhat, Assam – 785001, INDIA

Contact No. +91 7002720917



INFORMATION COVERED IN THE CV

Educational Qualification

Work Experience

Publications

Membership / Professional License

Salient Achievements

Conference Attended

Personal Skills / Interests

Software Skills

References

DATE OF BIRTH

27-11-1991

FATHER'S NAME

Muni Madhab Baruah

CURRENT ADDRESS FOR COMMUNICATION

C/B-037, Center Nongrim Hills,
Shillong, Meghalaya- 793003,
India

PERMANENT ADDRESS FOR COMMUNICATION

R.B. Road, Tarajan, Jorhat,
Assam- 785001, India

NATIONALITY

Indian

**Gender-
Female**

MARITAL STATUS

Single

EMAIL ID & PHONE NO.

Pratikshabaruah@yahoo.com,
+91 7002720917

LANGUAGE SKILLS

English, Hindi, Assamese,
Bengali and Odiya

EDUCATIONAL QUALIFICATION

SL. NO.	EXAMINATION PASSED	INSTITUTE/ UNIVERSITY	SUBJECTS	YEAR OF PASSING
1	High School	Delhi Public School, Numaligarh, Assam	English, Sanskrit, Mathematics, Science, Social Studies	2008
2	Intermediate	Air Force School, Jorhat, Assam	English, Mathematics, Physics, Chemistry, IT	2010
3	Bachelors in Architecture	Piloo Mody College of Architecture, Cuttack, Odisha	Themes- Architectural Design, Humanities, Technology and Practice	2015
3	Masters in Planning with specialization in Environmental Planning & Management	School of Planning & Architecture, Vijayawada, AP	Environmental Planning & Management	2019
4	Masters of Arts	Indira Gandhi National Open University, Jorhat	Rural Development	Pursuing

WORK EXPERIENCE

1

EMPLOYER'S NAME & ADDRESS

TYPE OF WORK

JOB TITLE

2	IPE Global Limited Head Office (India)- Defence Colony, New Delhi – 110024 Project Office- Shillong, Meghalaya- 793003	Project Management Consultant for Shillong Smart City	Project Associate - Urban Planner
	TYPE OF EMPLOYEE	START DATE-END DATE	TOTAL DURATION
	Full Time (Contractual)	19 th September, 2019 – Till Date	10 Months -
	NATURE OF WORK		
	<ul style="list-style-type: none"> Engaged in Smart City Project for Shillong under Urban and Infrastructure Development Sector Involved in Projects under the modules – 1. Environment 2. Clean and Green liveable Neighbourhood 3. Information and Communication Technology (ICT). Site visits and Stakeholder meetings relevant to the projects. Preparation of Situation Analysis Report, Feasibility Reports and detailed Project Reports. Data collection & data collation from various primary & secondary sources including maps, DPRs, technical documents, including existing development plans, other converging assignments, zonal plan, local area plans, development control regulations (DCRs), environmental regulations etc. as required. Carrying out Cost-Benefit analysis and Cost estimation. Assisting in preparation of maps and data analysis in ArcGIS. Preparation of Presentations, Monthly Progress Reports, etc. Detailed projects under the modules- <ul style="list-style-type: none"> Environment- (i) River cleaning (ii) Rainwater Harvesting (iii) Tree plantation Clean and Green liveable Neighbourhoods – (i) Waste to Energy Plant (ii) Retrofitting existing Drainage system (iii) Solar mission (Rooftop Solar PV panels) ICT- (i) Smart Solid Waste Management (ii) City Surveillance- CCTV (iii) Integrated Command Control and Communication Centre (iv) Artificial Intelligence and Big Data Analysis (learning) 		
2	EMPLOYER'S NAME & ADDRESS	TYPE OF WORK	JOB TITLE
	Indian Council of Forestry Research and Education (ICFRE), Govt. of India, Institute- Rain Forest Research Institute, Jorhat, Assam- 785001	Preparation of Detailed Project Report for Rejuvenation of River Brahmaputra through Forestry Intervention under MoEF&CC	Project Fellow
	TYPE OF EMPLOYEE	START DATE-END DATE	TOTAL DURATION
	Full Time (Contractual)	5 th July, 2019 – 18 th September, 2019	2 Months
	NATURE OF WORK		
	<ul style="list-style-type: none"> State Level Consultation Meetings and Presentations in various states on North-East with Forest Department, State Pollution Control Board, Scientists, Professors and others from various relevant Educational and Research Institutes, North East Space Application Centre – ISRO, NGOs, Local Communities, Biodiversity Board etc. for collection of data related to the project. 		

3	<ul style="list-style-type: none"> Data analysis and drafting report on Brahmaputra Riverscape Assessment and Management, Institutional and Legal Framework in relation to governance, Risk Management, Cost Benefit Analysis, etc. ArcGIS- Landuse Mapping and Digitizing, Surface Analysis, Priority Selection, etc. 		
	EMPLOYER'S NAME & ADDRESS	TYPE OF WORK	JOB TITLE
	The Energy and Resources Institute Lodhi Road, Delhi 110003 GRIHA, Defence Colony, New Delhi - 110024	Preparation of GRIHA for Cities, Abridged Manual A GRIHA Council - TERI initiative	Post-Graduation - Intern
	TYPE OF EMPLOYEE	START DATE-END DATE	TOTAL DURATION
	Full Time	28 th May, 2018 – 29 th June, 2018	1 Month
	NATURE OF WORK		
4	<ul style="list-style-type: none"> Team Member – Preparation of GRIHA for Cities, Abridged Manual Preliminary Quantitative Analysis on various parameters to be considered for rating of Cities. Parameters for the Analysis on criteria and weightages include- Governance, Water Supply and Management, Sanitation and Municipal Solid Waste Management, Quality of Life, Mobility, Energy Optimization and Management. Comparative Analysis of Service Level Benchmarks. 		
	EMPLOYER'S NAME & ADDRESS	TYPE OF WORK	JOB TITLE
	Ar. Sahani- 3D Vision, Bhubaneswar, Odisha-751017	Architectural Practice	Assistant Architect
	TYPE OF EMPLOYEE	START DATE-END DATE	TOTAL DURATION
	Full Time	1 st June, 2015 – 1 st May, 2017	11 Months
	NATURE OF WORK		
5	<ul style="list-style-type: none"> Assist in Residential, Commercial, Housing and Interior Design Projects Prepare and develop architectural drawings to meet client specifications. Interaction with Clients and Site Supervision. Prepare Working Drawings, Plans, Elevations, Sections and 3d Views of various projects. Preparation of Presentations for Competition Projects. Assisting in Cost – Estimation of various projects. Maintain and manage architectural drawings, documents and other related data in an organized manner. 		
	EMPLOYER'S NAME & ADDRESS	TYPE OF WORK	JOB TITLE
	Hiren A. Gandhi and Associates, Ahmedabad, Gujarat-380052	Architectural Practice	Graduation - Intern
	TYPE OF EMPLOYEE	START DATE-END DATE	TOTAL DURATION
	Full Time	2 nd June, 2014 – 5 th November, 2014	5 Months

NATURE OF WORK

- Working with the appropriate staff person projects – Sabarmati Riverfront Development, Residential, Commercial and Interior Design
- Site Supervision and interaction with clients.
- Drafting of Working Drawings, Plans, Elevations, Sections and 3d Views of various projects.
- Preparation of Presentations for Competition Projects.
- Assisting in Cost – Estimation of various projects.
- Gathered hands-on knowledge on Building Codes, Schedule of Rates, Building Bye-laws, etc.

PUBLICATIONS

	TITLE	PUBLICATION	DESCRIPTION	REFERENCE
1	Nurture a Green Indoor	Periodical- <i>The North East Window</i>	Benefits of indoor plants and their appropriate species in interior spaces.	Baruah, P. (2016, June). Nurture a Green Indoor. <i>The North East Window</i> .
2	Is Your Footprint Green Enough?	Periodical- <i>TerraGreen</i> ISSN: 0974-5688	Human activities utilize resources and produces waste. As the human population increases, the Ecological Footprint i.e. human demand on nature has been growing as compared to the productivity of ecological assets on the supply side, i.e. Biocapacity, of the planet.	Baruah, P. (2018, September). Is Your Footprint Green Enough? <i>TerraGreen</i> , pp. 38-39.
3	Save Water	Newspaper- <i>The Sentinel</i>	Water can help fight climate change. Sustainable, affordable and scalable water management and sanitation solutions are essential for a successful climate mitigation and adaptation strategies.	Baruah, P. (2020, March 22). Save Water. <i>The Sentinel</i> , 4. Assam, India: Omega Printers & Publishers Pvt. Ltd.
4	Green Banking and Environmental Sustainability	Newspaper- <i>The Sentinel</i>	Present status of green banking practice, progress and different green initiatives taken by the Indian banks have contributed towards achieving environmental sustainability.	Baruah, P. (2020, April 5). Green Banking and Environmental Sustainability. <i>The Sentinel</i> , 5. Assam, India: Omega Printers & Publishers Pvt. Ltd.
5	A chance to re-imagine a Cleaner Environment	Newspaper- <i>The Sentinel</i>	It's important to rethink about all the negative impact on the environment our actions as mankind have caused. Nation-wide lockdown had brought a chance to preview a glimpse of an improved environmental quality as a support for environmental protection.	Baruah, P. (2020, April 22). A chance to re-imagine a cleaner environment. <i>The Sentinel</i> , 4. Assam: Omega Printers & Publishers Pvt. Ltd.
6	Potential of Urban Wetlands for Ecotourism Development- A Case of Deepor Beel, Guwahati	Journal- <i>Nature Environment and Pollution Technology</i> p-ISSN: 0972-6268	The basic elements of sustainable development- equity, economic sustainability and ecological sustainability represent the primary objectives of balanced urban development. Thus, Wetland Ecotourism applies the elements of sustainability to the tourism industry in Guwahati that would further conserve urban wetlands to enhance eco-tourism and have a balanced urban development of Guwahati.	Baruah, P. (2020). Potential of Urban Wetlands for Ecotourism Development- A Case of Deepor Beel, Guwahati. <i>Nature Environment and Pollution Technology</i> , 19(2), 611-625.
7	Disaster Management- Need for shifting from response to mitigation	Newspaper- <i>The Sentinel</i>	Shifting from response and recovery to emphasizing a mitigation-centric approach would reduce the risk, impact or effects of a future threatening Flood and Landslide Disaster in Guwahati.	Baruah, P. (2020, July 2). Disaster Management- Need for shifting from response to mitigation. <i>The Sentinel</i> , 5. Assam: Omega Printers & Publishers Pvt. Ltd.

8	The need of sustainable home	Newspaper- <i>The Sentinel</i>	The simultaneous increased demand for homes has caused a significantly high pressure on natural resources causing ecological imbalances such as loss of resilience to fight climate change, loss of biodiversity and pollution. Switching to sustainable practices over its entire life cycle, can help achieve an overall environmental sustainability.	Baruah, P. (2020, July 11). Disaster Management- Need for shifting from response to mitigation. <i>The Sentinel</i> , 4. Assam: Omega Printers & Publishers Pvt. Ltd.
9	Urban Biodiversity	e-Journal- <i>South Asia Journal</i> ISSN: 2471-951X	Growing cities are continuously affecting biodiversity with urban land development and increasing population. Therefore, Urban Biodiversity is crucial not only for a proper functioning of ecological processes, but also for the capacity of the urban area to absorb changing ecological conditions.	Baruah, P. (2020, July 3). Urban Biodiversity. <i>South Asia Journal</i> .
10	Masterplan for Guwahati Metropolitan Area- 2025 and Sustainable Environment	Journal- <i>Mukt Shabd Journal</i> ISSN: 2347-3150	The process of development has caused negative impacts on natural eco-systems of cities making them prone to various environmental hazards. It is to examine Environment Issues that have been addressed in the planning of Guwahati Metropolitan Area (GMA) and the efforts of the Masterplan in addressing the issues, with reference to the Masterplan for Guwahati Metropolitan Area with perspective till 2025.	Baruah, P., & Naik, R. P. (2020). Masterplan for Guwahati Metropolitan Area- 2025 and Sustainable Environment. <i>Mukt Shabd Journal</i> , 9(6).
11	Child Development Center – A Biophilic Approach	Journal- <i>Civil Engineering and Architecture Journal</i> ISSN: 2332-1121	The proposed project on designing a Child Development Center is a research-based design on developmental psychology of young children. The design incorporates a number of research studies on the impact of environmental stimulation on development of human brain. Design as well as the literature survey conducted relevant to the present project are as discussed under (i) child psychology & architecture and (ii) biophilic architecture.	Baruah, P. (in press). Child Development Center – A Biophilic Approach. <i>Civil Engineering and Architecture Journal</i> .
12	Green Home to fight Environmental Deterioration	Periodical- <i>TerraGreen</i> ISSN: 0974-5688	'Buildings' is the key component in the fabric of any city. The various processes of a building from planning to design, construction, operation, maintenance, renovation and demolition, may employ techniques that can lead to higher carbon footprint and exploitation of natural resources that can affect the environment adversely.	Baruah, P. (in press). Green Home to fight Environmental Deterioration. <i>TerraGreen</i> .
13	Making space for nature in our cities	Periodical- <i>TerraGreen</i> ISSN: 0974-5688	Both network of green spaces and aquatic ecosystems play a crucial role by providing habitats to numerous endemic, migratory and endangered species as well as provisional services to urban dwellers. Urban landscapes may consist of a diversity of terrestrial and aquatic ecosystems that harbour rich biodiversity.	Baruah, P. (in press). Making space for nature in our cities. <i>TerraGreen</i> .
14	Conservation of Wetland is essential for Ecotourism Development - Experience from Deepor Beel Lake,	Conference- <i>International Conference on Resilient & Liveable City Planning</i> ISSN: 2522-8714	The people living in the villages around the RAMSAR Wetland-Deepor Beel, mostly belong to low income and depend directly on the wetland's natural resources for their livelihood. The authors attempted to explore (a) the importance of the Deepor Beel wetland and its present status, (b) the causes and measure of extent of wetland depletion, and (c) the potentiality of the wetland as a	Baruah, P., & Mohamed, A. R. (unpublished). Conservation of Wetland is essential for Ecotourism Development - Experience from Deepor Beel Lake, Guwahati, India. <i>International Conference on Resilient & Liveable City Planning</i> .

Guwahati,
India

need for conservation, local livelihood and
ecotourism development.

MEMBERSHIP / PROFESSIONAL LICENSE

SL. NO.	LICENSE, REGISTRATION OR CERTIFICATION	NUMBER	DATE RECEIVED
1	Council of Architecture	2017/81298	January 2017
2	IGBC Accredited Professional	AAOOCWQI	August 2015

SALIENT ACHIEVEMENTS

- **Participation – Summer School Workshop on Sustainable Urban Planning** at University of Lincoln, United Kingdom in the year 2014

CONFERENCE ATTENDED

- **World Environment Day Summit on Smart Cities at Vigyan Bhawan, New Delhi** – Organized by TERI and UN Environment Program in the year 2018
- **World Sustainable Development Summit with the theme “Attaining the 2030 Agenda: Delivering our Promise”** at Indian Habitat Centre, New Delhi – Organized by TERI in the year 2019

PERSONAL SKILLS / INTERESTS

- Article & Blog writing related to Environment & Climate Change.
- Preparation of Presentations, Posters, Brochure and Photography.

SOFTWARE SKILLS

ARCGIS	Display feature & tabular data, Geo-referenced Spatial Data, Query features using Logical Features, Editing Spatial and Attribute Data, associate Tables with Joint and Relates, perform Spatial Analysis, converting data from other formats, parcel editing, working with Landsat Data, Indices analysis (NDVI, NDWI, NDBI), Watershed Analysis and LST analysis, Supervised & Unsupervised Classification
MS EXCEL & MS WORD	Insert and interact with data in a tabular format in different ways of sort and filter as well as using formulas and pivot tables to manipulate the data to create new insights, import and exporting data, graphical analysis, different correlation analysis, report writing, handling any data related work in document format
MS POWERPOINT & PHOTPSHOP	Interactive presentation (business and informal), handling images editing work in a short time
AUTOCAD & GOOGLE SKETCHUP	3D Modelling of Architectural Drawings- Interiors, Exteriors, Site plan, Contours, Rendering Image, Landscaping, 2D Drafting of Construction Drawings- Working Drawings, Interiors, Detail layouts

REFERENCES

1	NAME	Dr. R.S.C. Jayaraj, IFS
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	POSITION	Director, RFRI, Jorhat - Indian Council of Forestry Research Institute, MoEF&CC, Govt. of India
	ADDRESS	A.T. Road, Chenijaan, Jorhat, Assam – 785001, India
	EMAIL ID	rsc.jayaraj@gmail.com
	PHONE NO.	+91 8610792093
2	NAME	Professor, Dr. Abdul Razak Mohamed
	POSITION	Dean, Faculty Welfare and Professor, Department of Planning, School of Planning and Architecture- MHRD, Govt. of India
	ADDRESS	ITI Road, Vijayawada – 520008, India
	EMAIL ID	razak@spav.ac.in
	PHONE NO.	+91 9841393016

I hereby declare that the information provided in this form are true to the best of my knowledge and belief, I have satisfied myself that I fulfill all the eligibility requirements.

Place – **Assam**


Signature