

Somaina Islary

Assistant Professor
Department of Architecture
School of Planning & Architecture, Vijayawada

Professional Experience
7 years

Nationality

- Indian

Contact Details

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- Vidwan: 178798
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Educational Qualifications

- 2015: Master of Landscape Architecture, School of Planning and Architecture, New Delhi, India
- 2013: Bachelor of Architecture, National Institute of Technology, Hamirpur, Himachal Pradesh, India (*Gold Medalist*)

Additional Qualifications

- LEED (Leadership in Energy and Environmental Design) Green Associate
- NTSE (National Talent Search Exam) Awardee
- Visharad in Hindustani Classical Music (Bhatkhande Gharana)

Professional Membership

- USGBC (U.S. Green Building Council) – LEED GA
- ISOLA (Indian Society of Landscape Architects) – Associate Member
- COA (Council of Architecture) – Life Member

Interests

- Landscape Engineering & Storm Water Management
- Ecological Landscape Planning
- Landscape Urbanism
- Green Infrastructure
- Energy Efficient Landscapes
- Ecological Restoration
- Land Art

Language Proficiency

- English
- Hindi
- Bodo
- Assamese

Key Qualifications

Somaina is an Academician, a Landscape Architect and a LEED Green Associate with 2 years of professional experience in academics and 5 years in industry. She has worked in varied Landscape Architecture projects, viz., Residential, Recreational, Commercial, Mixed-use, Public Realm, Waterfront Development etc. in India, Middle East and African regions. She has experience in developing sustainable landscape strategies and has worked in LEED projects. She has managed multidisciplinary teams across geographies, and is adept in design and implementation of projects as per sustainability standards. In her current role as an Assistant Professor, she is involved in Teaching and Research Works as well as additional administrative responsibilities.

Professional Competency

- Conceptual Design Development
- Managing Cross functional projects
- Quality Assurance
- Ecological Planting
- Sustainable development
- BIM Coordination
- Landscape Grading
- Project Specifications

Experience Record

Aug 2020—Present: School of Planning & Architecture, Vijayawada (SPAV)
Designation: Assistant Professor (Academics)

Design Studio Projects Supervised:

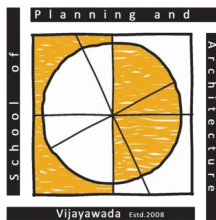
- Landscape Architecture Studio I [*M.Arch (Landscape Architecture), 1 yr*]
 - Comprehensive Landscape Development for open space typology such as Parks, Streetscape, Plaza, Haat etc. in the identified sites
- Landscape Architecture Studio III [*M.Arch (Landscape Architecture), 11 yr*]
 - Landscape Planning, Design and Management of Ecotourism Projects
- Basic Design II [*B.Arch, 1 yr*]

Subjects handled:

- Landscape Resources II [*M.Arch (Landscape Architecture)*]
- Plants Systematic, Plant Processes and Field Study [*M.Arch (Landscape Architecture)*]
- Geology and Edaphic Parameters [*M.Arch (Landscape Architecture)*]
- Cultural Landscape Management [*M.Arch (Architectural Conservation)*]
- Introduction to Landscape Design [*B.Arch*]
- Building Materials and Construction I [*B.Arch*]
- Building Materials and Construction II [*B.Arch*]
- Environmental Sciences [*B.Arch*]

Thesis and Dissertation supervised:

- M.Arch (Landscape Architecture) Thesis
 - Designing Neighborhood Active Living: Abandoned Skywalk to Sky Garden amalgamating green spaces - Raipur, Chhattisgarh



Software Proficiency

- AutoCAD
- Revit Architecture
- BIM 360
- Navisworks
- Civil 3D
- SketchUp
- Photoshop
- Illustrator
- Corel-Draw
- InDesign
- MS-Office

Hobbies

- Sketching
- Graffiti
- Calligraphy
- Creative Writing
- Gardening
- Trekking/ Hiking
- Singing

Social Service Activities

- Volunteered for the **Green Apple Day of Service** (An *International Sustainability Movement* organized by USGBC to join schools across the world to celebrate the central role that schools play in preparing the next generation of leaders in sustainability) 2017
- Volunteered and talked on 'Sustainability and Waste Management' at the **Green Apple Day of Service** 2018

Personal Development

- Participated in USGBC Greenbuild Conference 2017 – Mumbai
- Attended the *BeLoose Graphic Workshop* of Mike Lin at IHC Delhi
- Completed the treks of Valley of Flowers (Organized by YHAI), Triund, Kalavantin Durg, Bhimashankar via Shidi Ghat etc.
- Designed and created costumes for the Dar Annual Party 2017 Fashion Show using day-to-day materials like cardboards, papers etc.

- Wetland Restoration and Habitat Rehabilitation - A case of Nelapattu Bird Sanctuary
- The Night Safari: Concept of Nocturnality in an Open-Air Zoo, Greater Noida, Uttar Pradesh
- Reclamation of Mining: Granite quarry at Phirangipuram, Guntur district, Andhra Pradesh
- Bhopal Gas Tragedy Memorial - A voice to the victims and the survivors
- Inderlok Intermodal Node and Water Remediation Park, New Delhi
- Sustainable Campus Landscape Planning and Design for IIM Vizag

▪ B.Arch Thesis

- Paschim Vihar Community Centre: Re-imagining the Role of Experiential Spaces in Public Realm
- Revitalizing the Architectural Style of Ahom Dynasty, Assam
- North East Craft Village, Jorabat, Assam
- Tea Museum and Interpretation Centre, Darjeeling

▪ M.Arch (Landscape Architecture) Dissertation

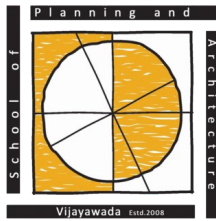
- Outlining Guidelines for Resiliency in Master Planning: An Instance of Hilly Terrain
- Exploring the Islamic Garden Concept in Landscape Design - Role of Water in Islamic Gardens
- Green Transition Spaces Between Unbuilt and Built Form
- Study on Native and Invasive Species (Biotores) in Urban landscapes to Understand the Degrading Effects in Ecosystem
- Memorial as Healing Landscapes
- Influence of Soft Landscape for Thermal Comforts of Outdoor Environments
- Life in Syntropy - A Sustainable Attempt to Restore the Lost Forest
- Productive landscapes - connecting Urban agriculture and Urban landscape

▪ B.Arch Dissertation

- Quintessence of Queer Architecture – Discussing Queer Theory and creating safe spaces for trans individuals
- Creating Comfortable Living Spaces in Smaller Portions of Land
- Biomimicry in Architecture
- Advanced Building Construction Techniques-Effective and Flexible Use in The Rehabilitation During Pandemic-Covid
- Groundwater Architecture: Treatment of Water-bodies in Landscape
- Ecotourism post Pandemic
- Tropical Modernism in Kerala: Investigating Architectural Responses

Additional Academic Responsibilities:

- External Examiner - B.Arch IV Year VII Semester Seminar Jan 2021
- Thesis Coordinator - B.Arch Thesis 2021
- Thesis Coordinator - M.Arch (Landscape Architecture) Thesis 2021
- Semester Coordinator - M.Arch (Landscape Architecture II yr III sem) 2021
- Semester Coordinator - M.Arch (Landscape Architecture I yr I sem) 2022
- B.Arch Dissertation Coordinator 2022
- GATE Mentoring



Aug 2020—Present: School of Planning & Architecture, Vijayawada

Designation: Assistant Professor (*Research and Consultancy Works*)

Book Chapter:

- Published open access peer reviewed book chapter: Rao, P., Islary, S., & Natawadkar, K. (2022). **Green Space Association with Mental Health and Cognitive Development**. In R. A. Castanho, & J. C. Fernández (Eds.), *Urban Green Spaces [Working Title]*. IntechOpen. <https://doi.org/10.5772/intechopen.103667>

Research Papers:

- Presented paper on International Research Symposium on Urban Villages – A Transformational Discourse in Architecture and Planning on 21st May 2022 organized by Urban Village Charitable Trust (UVCT) in association with COA, NIUA, FOA&E JMI, THAMMASAT UNIVERSITY, CCA, FOAP AKTU, MSA (associate institutions and knowledge partners) and publisher SCOPUS-indexed book series "Advances in 21st Century Human Settlements", published by Springer Nature Singapore Pte Ltd.; Title: **Global Challenges of Sustainability for Urban Villages**; Authors: Ms. Somaina Islary and Dr. Prashanti Rao
- Submitted paper for the 9th Zero Energy Mass Custom Home International Conference - ZEMCH 2022 scheduled to be held on 3rd to 5th November 2022 organized by BMS School Of Architecture, Bangalore, India; Title: **Green Infrastructure in Indian Cities: Mapping Urban Resilience**; Authors: Dr. Prashanti Rao and Ms. Somaina Islary

Consultancy Projects undertaken:

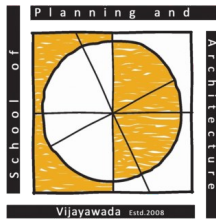
- Guntur Municipality Project, Landscape Development at Guntur Island and Mural /wall painting, AP
- Moghal Rajpuram Heritage Walkway Development, Vijayawada, AP

Workshops, Seminars and Conferences organized:

- Resource person for the workshop on 'Demystifying Architectural Sketching' for the 1st year B.Arch students of SPAV as part of the **Filling the Gaps Workshop** held from 18th to 22nd April 2022
- '**Awaz Par Samvaad Workshop**' on Inclusive Housing under Ministry of Housing and Urban Affairs (MoHUA), Government of India (GoI) held on 25th Aug 2021 association with Andhra Pradesh Township and Infrastructure Development Corporation (APTIDCO) aimed to create awareness and propel 'Housing for All' as a universal theme amongst the various stakeholders
- Webinar on '**Role of Cultural Landscapes in Building Environmental Resilience - Demystifying Conservation**' held on 10th Nov 2021

Workshops, Seminars, Conferences and Competitions attended/ participated:

- Online Course on '**Green Infrastructure – Effective Measures for Urban Flooding and Groundwater Management**' held from 20th July to 17th August 2022 organized by School of Water and Waste, Centre for Science and Environment (CSE) New Delhi
- Faculty Development Workshop on '**National Education Policy 2020 – Way forward in Architectural Education**' held from 9th to 11th March 2022 organized by SPAV
- 4th Conference of Towards an Ecological Landscape on 'Ecological Restoration: Experiences, Narratives and Stakeholders' Perspectives' held on 5th and 6th Mar 2022 organized by BNCA, Pune
- '**14th ISOLA National Conference 2022**' conducted by ISOLA Hyderabad Chapter held on 11th, 12th and 13th Feb 2022
- Webinar on '**Bamboo - A Sustainable Eco-friendly Material for Buildings**' organized by CSIR-CBRI during 27th to 29th Dec 2021
- ATAL Academy Online FDP on '**National Education Policy - Sustainable Change Management in Planning and Architecture**' from 4th to 8th Oct 2021 at SPAV
- '**Streets for People**' Competition 2021 for Bengaluru, an initiative of the Smart Cities Mission, MoHUA (GoI)
- ATAL Academy Online FDP on '**Natural Ventilation and Building Design in Tropical Regions**' from 13th to 17th Sep 2021 organized by SPAV
- ATAL Academy Online FDP on '**Pedagogical Process in Architecture – An Orientation for Young Teaching Fraternity**' from 12th to 16th July 2021 organized by SPAV
- Webinar on '**Process of Chandigarh**' held on 22nd April 2021 organized by ACT! Chandigarh & Saakaar Foundation with support of Swiss Diplomatic Representations in India & Bhutan, Le Corbusier Foundation Paris, and MoHUA (GoI)
- Executive Development Program on '**Bamboo as Key Natural Resource for Conscious Design & Construction**' from 4th Jan to 8th Jan 2021 organized by School of Architecture and Design, Manipal University Jaipur in collaboration with KONBAC, Maharashtra
- e-Short Term Training Program on '**Urban Dynamics and Climate Change**' from 28th Nov to 3rd Dec 2020 organized by SPAV
- e-Short Term Training Program on '**Application of GIS in Urban Resilience Planning**' from 3rd to 8th Nov 2020 organized by SPAV



Aug 2020—Present: School of Planning & Architecture, Vijayawada
Designation: Assistant Professor (*Administrative Responsibilities*)

Additional Administrative Responsibilities in-charge of:

- Girls Hostel Warden (2022 to Present)
- Mess In-charge (2022 to Present)
- Anti-Ragging Squad – Member (2022 to Present)
- Green-UP SPAV – Member (2021 to Present)
- Social Media Champion (2021 to 2022)
- Cultural Working Committee, Faculty I/C of Rythmo and Avante Garde 2021
- Publication Cell - Faculty In-charge (2020 to 2022)
- Training & Placement Cell – Member (2020 to Present)
- Industry Institute Interaction Cell – Member (2020 to Present)
- Vigyan Sarvatra Pujyate, National Science Week Festival 2022 – Media Team – Member
- Cultural Working Committee 2021 - Faculty In-charge of Rythmo and Avante Garde Teams

2019—2020: Khatib & Alami, Bangalore, India
Role: Design Landscape Architect (*Project Team Lead*)

Leading the project team & cross functional coordination, as well as BIM coordination for the following projects:

- Qaryat Al Hidd, UAE
- Dibba Hospital, UAE

Conceptual design development, site analysis & coordination with Beirut Landscape Architecture Team for the following project:

- Yamama Cement Factory, Saudi Arabia

Cross functional coordination, design development, materials selection, and landscape grading for the following projects:

- Consultancy Services for Design & Construction Supervision of Izki Wilayat Water Distribution Networks, Oman

BIM modelling, BIM coordination and cross functional coordination for the following project:

- Bvlgari Lofts & Residences, UAE

Landscape grading for all the buildings & open spaces, and shadow analysis as per the ESTIDAMA guidelines for the following project:

- Housing and Infrastructure for Three Emirati Neighborhoods, Al Wathba, Abu Dhabi, UAE

Design of landscape details for specific landscape features for the following project:

- Business bay peninsula, Dubai, UAE

2018—2019: Dar Al-Handasah, Pune, India
Role: Landscape Architect (*Group leader*)

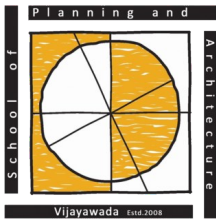
Leading the project team & cross functional coordination for the following project:

- Redesign of Infrastructure for Sodimo Phase 2 & for the Ministries District, Angola

2018—2019: Dar Al-Handasah, Pune, India
Role: Landscape Architect (*Design Head*)

Conceptual design development, materials selection, preparation of detailed landscape plan & designing landscape details, as well as cross functional coordination for the following projects:

- Mucufi River Boulevard, Angola
- Tourist Resort at Dondo, Angola
- Talatona University Clinic, Angola



2017—2018: Dar Al-Handasah, Pune, India
Role: Landscape Architect (*BIM Coordinator*)

BIM modelling, BIM coordination and cross functional coordination for the following projects:

- Al Maktoum International Airport: Short Term Car Park, UAE
- Mohammad Bin Rashid Stadium, UAE

2015—2018: Dar Al-Handasah, Pune, India
Role: Landscape Architect

Design Development, site analysis, materials selection, preparation of presentation, report, documents (BOQ, Specs & MOM) and landscape details for the following projects:

- Coca Cola Arena, UAE
- Community Facilities at the Governmental Complex in Riyadh, Saudi
- Maharashtra Nature Park, India (Design Competition)
- **Plants Database** — Built a Landscape Database of plants which is used in all Dar projects throughout the Dar offices after extensive research.